Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

LIBRARY
43
376990
OF THE
UNITED STATES
DEPARTMENT OF AGRICULTURE
Class 1
Book Ex6B
224-230
8—1577

FOREST SERVICE
LIBRARY
JAN 22 '16
RECEIVED

B
224
18
13197

1233

Issued February 1, 1910.

U. S. DEPARTMENT OF AGRICULTURE.

OFFICE OF EXPERIMENT STATIONS—BULLETIN 224.

A. C. TRUE, Director.

ORGANIZATION LISTS OF THE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS IN THE UNITED STATES.

DECEMBER, 1909.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1910.

U. S. DEPARTMENT OF AGRICULTURE.

Scientific Bureaus.

WEATHER BUREAU—Willis L. Moore, *Chief.*
BUREAU OF ANIMAL INDUSTRY—A. D. Melvin, *Chief.*
BUREAU OF PLANT INDUSTRY—B. T. Galloway, *Chief.*
FOREST SERVICE—A. F. Potter, *Acting Forester.*
BUREAU OF SOILS—Milton Whitney, *Chief.*
BUREAU OF CHEMISTRY—H. W. Wiley, *Chemist.*
BUREAU OF STATISTICS—V. H. Olmsted, *Statistician.*
BUREAU OF ENTOMOLOGY—L. O. Howard, *Entomologist.*
BUREAU OF BIOLOGICAL SURVEY—C. Hart Merriam, *Chief.*
OFFICE OF PUBLIC ROADS—L. W. Page, *Director.*

OFFICE OF EXPERIMENT STATIONS—A. C. True, *Director.*

THE AGRICULTURAL EXPERIMENT STATIONS.

ALABAMA—
College Station: *Auburn;* J. F. Duggar.[a]
Canebrake Station: *Uniontown;* F. D. Stevens.[a]
Tuskegee Station: *Tuskegee;* G. W. Carver.[a]
ALASKA—*Sitka:* C. C. Georgeson.[b]
ARIZONA—*Tucson:* R. H. Forbes.[a]
ARKANSAS—*Fayetteville:* C. F. Adams.[a]
CALIFORNIA—*Berkeley:* E. J. Wickson.[a]
COLORADO—*Fort Collins:* L. G. Carpenter.[a]
CONNECTICUT—
State Station: *New Haven;* E. H. Jenkins.[a]
Storrs Station: *Storrs;* L. A. Clinton.[a]
DELAWARE—*Newark:* H. Hayward.[a]
FLORIDA—*Gainesville:* P. H. Rolfs.[a]
GEORGIA—*Experiment:* Martin V. Calvin.[a]
GUAM—*Island of Guam:* J. B. Thompson.[b]
HAWAII—
Federal Station: *Honolulu;* E. V. Wilcox.[b]
Sugar Planters' Station: *Honolulu;* C. F. Eckart.[a]
IDAHO—*Moscow:* W. L. Carlyle.[a]
ILLINOIS—*Urbana:* E. Davenport.[a]
INDIANA—*Lafayette:* A. Goss.[a]
IOWA—*Ames:* C. F. Curtiss.[a]
KANSAS—*Manhattan:* E. H. Webster.[a]
KENTUCKY—*Lexington:* M. A. Scovell.[a]
LOUISIANA—
State Station: *Baton Rouge;*
Sugar Station: *Audubon Park, New Orleans;*
North La. Station: *Calhoun;*
Rice Station: *Crowley;*
} W. R. Dodson.[a]
MAINE—*Orono:* C. D. Woods.[a]
MARYLAND—*College Park:* H. J. Patterson.[a]
MASSACHUSETTS—*Amherst:* W. P. Brooks.[a]
MICHIGAN—*East Lansing:* R. S. Shaw.[a]
MINNESOTA—*St. Anthony Park, St. Paul:* A. F. Woods.[a]
MISSISSIPPI—*Agricultural College:* W. L. Hutchinson.[a]
MISSOURI—
College Station: *Columbia;* F. B. Mumford.[a]
Fruit Station: *Mountain Grove;* Paul Evans.[a]
MONTANA—*Bozeman:* F. B. Linfield.[a]
NEBRASKA—*Lincoln:* E. A. Burnett.[a]
NEVADA—*Reno:* J. E. Stubbs.[a]
NEW HAMPSHIRE—*Durham:* E. D. Sanderson.[a]
NEW JERSEY—*New Brunswick:* E. B. Voorhees.[a]
NEW MEXICO—*Agricultural College:* Luther Foster.[a]
NEW YORK—
State Station: *Geneva;* W. H. Jordan.[a]
Cornell Station: *Ithaca;* H. J. Webber.[c]
NORTH CAROLINA—
College Station: *West Raleigh;* C. B. Williams.[a]
State Station: *Raleigh;* B. W. Kilgore.[a]
NORTH DAKOTA—*Agricultural College:* J. H. Worst.[a]
OHIO—*Wooster:* C. E. Thorne.[a]
OKLAHOMA—*Stillwater:* J. A. Craig.[a]
OREGON—*Corvallis:* J. Withycombe.[a]
PENNSYLVANIA—
State College: T. F. Hunt.[a]
State College: Institute of Animal Nutrition: H. P. Armsby.[a]
PORTO RICO—*Mayaguez:* D. W. May.[b]
RHODE ISLAND—*Kingston:* H. J. Wheeler.[a]
SOUTH CAROLINA—*Clemson College:* J. N. Harper.[a]
SOUTH DAKOTA—*Brookings:* J. W. Wilson.[a]
TENNESSEE—*Knoxville:* H. A. Morgan.[a]
TEXAS—*College Station:* H. H. Harrington.[a]
UTAH—*Logan:* E. D. Ball.[a]
VERMONT—*Burlington:* J. L. Hills.[a]
VIRGINIA—
Blacksburg: S. W. Fletcher.[a]
Norfolk: Truck Station, T. C. Johnson.[a]
WASHINGTON—*Pullman:* R. W. Thatcher.[a]
WEST VIRGINIA—*Morgantown:* J. H. Stewart.[a]
WISCONSIN—*Madison:* H. L. Russell.[a]
WYOMING—*Laramie:* J. D. Towar.[a]

[a] Director. [b] Special agent in charge. [c] Acting director.

1233 Issued February 1, 1910.

U. S. DEPARTMENT OF AGRICULTURE.

OFFICE OF EXPERIMENT STATIONS—BULLETIN 224.

A. C. TRUE, Director.

ORGANIZATION LISTS OF THE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS IN THE UNITED STATES.

DECEMBER, 1909.

Library, U. S. Department of Agriculture, Washington, D. C.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1910.

LETTER OF TRANSMITTAL.

U. S. DEPARTMENT OF AGRICULTURE,
OFFICE OF EXPERIMENT STATIONS,
Washington, D. C., October 26, 1909.

SIR: I have the honor to transmit herewith a manuscript containing the revised organization lists of agricultural colleges and experiment stations in the United States, which has been compiled under my direction by Miss Mary A. Agnew of this Office.

In these lists the plan started last year has again been followed, namely, to confine the lists to the names of administrative officers and instructors whose work brings them in contact with students in agricultural and home economics courses, omitting those who deal exclusively with mechanic arts or engineering students, but as formerly it has in some cases been found impracticable, owing to the complex organization of the institutions concerned, to make the lists entirely consistent.

I recommend the publication of this manuscript as Bulletin 224 of this Office.

Respectfully,

A. C. TRUE,
Director.

Hon. JAMES WILSON,
Secretary of Agriculture.

CONTENTS.

	Page.
Key to abbreviations	3
The Office of Experiment Stations	4
Officers of the Association of American Agricultural Colleges and Experiment Stations	5
Officers of the Association of Official Agricultural Chemists of the United States	6
Officers of the American Association of Farmers' Institute Workers	6
Officers of the American Association of Economic Entomologists	6
Officers of the Society for Horticultural Science	6
Agricultural colleges and experiment stations in the United States, with governing boards, courses of study, boards of instruction, and station staffs	7
Index of names	78

376990

KEY TO ABBREVIATIONS.

NOTE.—Members of boards of trustees or other governing boards of the college who are charged with the management of experiment station affairs are indicated by an asterisk (*).

Acct., Accountant, Accounts.
Actg., Acting.
(*Actg.*), Acting Professor.
(*Adjunct*), Adjunct Professor.
Agr., Agriculture, Agriculturist, Agricultural.
Agron., Agronomy, Agronomist.
Agt., Agent.
Anal., Analytical, Analysis.
Anat., Anatomy.
Archi., Architecture.
Arith., Arithmetic.
Assoc., Associate.
(*Assoc.*), Associate Professor.
Asst., Assistant.
(*Asst.*), Assistant Professor.
Astron., Astronomy.
Bact., Bacteriology, Bacteriologist.
Bibliog., Bibliography, Bibliographer.
Biol., Biology, Biologist, Biological.
Blacksm., Blacksmithing.
Bot., Botany, Botanist, Botanical.
Chair., Chairman.
Chem., Chemist, Chemistry, Chemical.
Climat., Climatology, Climatologist.
Comdt., Commandant.
Coml., Commercial.
Comr., Commissioner.
Corresp., Correspondence, Correspondent.
Dept., Department.
Dir., Director.
Div., Division.
Dom., Domestic.
Draw., Drawing.
Econ., Economy, Economic, Economics.
Ed., Education.
El., Elementary.
Elect., Electrical, Electricity.
Engin., Engineer, Engineering.
Engl., English.
Ent., Entomology, Entomologist.
Expt., Experiment, Experimental, Experimentalist, Experimenter.
Ext., Extension.
Feed., Feeding.
Fert., Fertilizer.
Flor., Floriculture, Florist.
For., Forestry.
Gard., Gardener, Gardening.
Gen., General.
Geog., Geography.
Geol., Geology, Geologist, Geological.
Gov., Governor.
Hist., History, Historical.
Hort., Horticulture, Horticulturist.
Husb., Husbandry, Husbandman.
Hyg., Hygiene.
Indus., Industrial, Industries, Industry.
Inorg., Inorganic.
Insp., Inspector, Inspection.
Insts., Institutes.
Instr., Instruction, Instructor.
Invest., Investigations.
Irrig., Irrigation, Irrigationist.
Lab., Laboratory.
Lang., Language, Languages.
Lat., Latin.
Lect., Lecturer.
Libr., Library, Librarian.
Lit., Literature.
Mach., Machine, Machinery, Machinist.
Math., Mathematics.
Mech., Mechanics, Mechanician, Mechanical.
Met., Meteorology, Meteorologist.
Metal., Metallurgy.
Mfg., Manufacturing.
Mgr., Manager.
Mil., Military.
Min., Mineralogy, Mineralogist, Mining.
Mod., Modern.
Myc., Mycology, Mycologist.
Nat., Natural.
Oler., Olericulture, Olericulturist.
Org., Organic.
Ornith., Ornithology.
Path., Pathology, Pathologist.
Pedag., Pedagogy, Pedagogics.
Pharm., Pharmacy, Pharmacist.
Philos., Philosophy.
Photog., Photography.
Phys., Physics, Physicist, Physical.
Physiol., Physiology, Physiologist, Physiological.
Polit., Political.
Pomol., Pomology, Pomologist.
Pract., Practice, Practical.
Prep., Preparatory.
Pres., President.
Prin., Principal.
Print., Printing.
Psych., Psychology.
Rhet., Rhetoric.
Sci., Science, Scientific.
Sec., Secretary.
Sew., Sewing.
Sociol., Sociology.
Sta., Station.
Sten., Stenography, Stenographer.
Substa., Substation.
Supt., Superintendent.
Tech., Technology, Technical.
Treas., Treasurer.
Typew., Typewriting, Typewriter.
Univ., University.
V. Dir., Vice-Director.
Veg., Vegetable, Vegetation.
Vet., Veterinary, Veterinarian.
Vit., Viticulture, Viticulturist.
V. Pres., Vice-President.
Wheelwr., Wheelwrighting.
Zool., Zoology, Zoologist.

THE OFFICE OF EXPERIMENT STATIONS.

A. C. True, Ph. D., Sc. D., Director.
E. W. Allen, Ph. D., Assistant Director and Editor of Experiment Station Record.
W. H. Beal, A. B., M. E., Chief of Editorial Division.
Mrs. C. E. Johnston, Chief Clerk.
Sarah L. Sommers, Record Clerk.
E. Lucy Ogden, Librarian.

Editorial Departments.

L. W. Fetzer, Ph. D., Agricultural chemistry and agrotechny.
W. H. Beal, Meteorology, soils, and fertilizers.
W. H. Evans, Ph. D., Agricultural botany and vegetable pathology.
J. I. Schulte, B. S., } Field crops.
J. O. Rankin, A. B., B. S. A., }
E. J. Glasson, B. S. A., Horticulture and forestry.
C. F. Langworthy, Ph. D., Foods and human nutrition.
E. W. Morse, B. S. A., Zootechny, dairying, and dairy farming.
W. A. Hooker, B. S., Economic zoology, entomology, and veterinary medicine.
J. B. Morman, M. A., Rural economics.
D. J. Crosby, M. S., Agricultural education.
H. L. Knight, B. S., Editorial assistant.
T. K. Burrows, B. A., Editorial assistant.
William Henry, Indexing and proof reading.

Insular Stations.

W. H. Evans, Ph. D., Chief.

ALASKA EXPERIMENT STATIONS.

C. C. Georgeson, M. S., Special agent in charge, Sitka.
R. W. De Armond, Assistant at Sitka.
G. W. Gasser, B. S., Assistant at Rampart.
M. D. Snodgrass, B. S., Assistant at Kodiak.
Laurence Kelly, Assistant dairyman at Kodiak.
J. W. Neal, Assistant at Fairbanks.

HAWAII EXPERIMENT STATION.

E. V. Wilcox, Ph. D., Special agent in charge, Honolulu.
J. E. Higgins, B. A., M. S. A., Horticulturist.
F. G. Krauss, Agronomist.
W. P. Kelley, M. S., Chemist.
D. T. Fullaway, A. B., Entomologist.
Alice R. Thompson, B. S., Assistant chemist.
C. J. Hunn, B. S. A., Assistant horticulturist.
Q. Q. Bradford, Assistant in rubber investigations.
Valentine Holt, Assistant agronomist.

PORTO RICO EXPERIMENT STATION.

D. W. May, M. Agr., Special agent in charge, Mayaguez.
J. W. van Leenhoff, Coffee expert.
W. V. Tower, B. S., Entomologist.
P. L. Gile, A. B., Chemist.
C. F. Kinman, B. S., Horticulturist.
E. G. Rutzman, Assistant animal husbandman.
G. L. Fawcett, Assistant plant pathologist.
W. C. Taylor, B. S., Assistant chemist.
T. B. McClelland, Assistant horticulturist.
W. E. Hess, Expert gardener.

GUAM EXPERIMENT STATION.

J. B. Thompson, B. S., Special agent in charge, Island of Guam.
H. L. V. Costenoble, Assistant.

AGRICULTURAL EDUCATION.

D. J. CROSBY, M. S., Specialist in agricultural education.
F. W. HOWE, M. S., Assistant in agricultural education.
JOHN HAMILTON, B. S., M. S. A., Farmers' institute specialist.
J. M. STEDMAN, B. S., Assistant farmers' institute specialist.

NUTRITION INVESTIGATIONS.

C. F. LANGWORTHY, Ph. D., Expert in nutrition investigations.
R. D. MILNER, Ph. B., Assistant in nutrition investigations.
W. P. GARRETY, B. S., M. A., Laboratory assistant.
S. C. CLARK, B. S., M. A., Laboratory assistant.

IRRIGATION INVESTIGATIONS.

SAMUEL FORTIER, D. Sc., Chief of irrigation investigations.
R. P. TEELE, M. A., Editorial assistant and acting chief in absence of the chief.

Irrigation engineers and irrigation managers.—A. P. STOVER, in charge of work in Oregon; C. E. TAIT, in charge of work in Imperial Valley and Arizona; S. O. JAYNE, in charge of work in Washington; W. W. MCLAUGHLIN, in charge of work in Utah; P. E. FULLER, in charge of power investigations; W. L. ROCKWELL, in charge of work in Texas; M. B. WILLIAMS, in charge of work in humid sections; D. H. BARK, in charge of work in Idaho; V. M. CONE and C. G. HASKELL, *engineers;* F. G. HARDEN, *scientific assistant.*

Expert mechanician.—E. J. HOFF.

Irrigation farmers.—J. H. GORDON, R. G. HEMPHILL, W. H. LAUCK, R. E. MAHONEY, JOHN KRALL, Jr.

COLLABORATORS.

O. V. P. STOUT, in charge of work in Nebraska, University of Nebraska.
G. H. TRUE, in charge of work in Nevada, University of Nevada.
F. L. BIXBY, in charge of work in New Mexico, New Mexico College of Agriculture and Mechanic Arts.

DRAINAGE INVESTIGATIONS.

C. G. ELLIOTT, C. E., Chief drainage engineer and chief of drainage investigations.

Supervising drainage engineers.—J. O. WRIGHT, A. E. MORGAN, W. J. MCEATHRON, S. M. WOODWARD (special work).

Drainage engineers.—C. F. BROWN, L. L. HIDINGER, S. H. MCCRORY, H. A. KIPP, D. G. MILLER, F. F. SHAFER, J. T. STEWART (special work).

Assistant drainage engineers.—W. W. WEIR, O. G. BAXTER, H. R. ELLIOTT, G. R. BOYD, R. A. HART, G. M. WARREN, D. L. YARNELL, J. V. PHILLIPS, L. A. JONES, F. G. EASON, A. M. SHAW, C. W. OKEY.

Office engineer.—A. D. MOREHOUSE.

Assistant office engineer.—R. D. MARSDEN.

Draftsman.—G. F. POHLERS.

COLLABORATOR.

W. B. GREGORY, Tulane University of Louisiana.

OFFICERS OF THE ASSOCIATION OF AMERICAN AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS.

President.—W. J. KERR, of Oregon.

Vice-Presidents.—H. J. WATERS, of Kansas; W. P. BROOKS, of Massachusetts; C. A. LORY, of Colorado; P. H. ROLFS, of Florida; LUTHER FOSTER, of New Mexico.

Secretary-Treasurer.—J. L. HILLS, of Vermont.

Bibliographer.—A. C. TRUE, of Washington, D. C.

Executive committee.—W. O. THOMPSON, of Ohio, Chairman; J. L. SNYDER, of Michigan; W. E. STONE, of Indiana; W. H. JORDAN, of New York; C. F. CURTISS, of Iowa.

Sections.—Section on College Work and Administration: SAMUEL AVERY, of Nebraska, Chairman; W. D. GIBBS, of New Hampshire, Secretary. Committee on Programme: The CHAIRMAN and SECRETARY.

Section on Experiment Station Work; F. B. LINFIELD, of Montana, Chairman; H. L. RUSSELL, of Wisconsin, Secretary. Committee on Programme: The CHAIRMAN and SECRETARY, and W. H. BEAL, of Washington, D. C.

Section on Extension Work: A. M. SOULE, of Georgia, Chairman; G. I. CHRISTIE, of Indiana, Secretary.

Standing committees.—Committee on Instruction in Agriculture: For three years, J. F. DUGGAR, of Alabama, and W. E. STONE, of Indiana; for two years, A. C. TRUE, of Washington, D. C., Chairman, and T. F. HUNT, of Pennsylvania; for one year, H. T. FRENCH, of Idaho, and H. C. WHITE, of Georgia.

Committee on Graduate Study: For three years, W. O. THOMPSON, of Ohio, and BROWN AYRES, of Tennessee; for two years, H. P. ARMSBY, of Pennsylvania, Chairman, and HOWARD EDWARDS, of Rhode Island; for one year, M. H. BUCKHAM, of Vermont, and EUGENE DAVENPORT, of Illinois.

Committee on Extension Work: For three years, A. M. SOULE, of Georgia, and E. A. BURNETT, of Nebraska; for two years, K. L. BUTTERFIELD, of Massachusetts, Chairman, and C. R. VAN HISE, of Wisconsin; for one year, W. C. LATTA, of Indiana, and C. F. CURTISS, of Iowa.

Committee on Experiment Station Organization and Policy: For three years, M. A. SCOVELL, of Kentucky, and L. G. CARPENTER, of Colorado; for two years, EUGENE DAVENPORT, of Illinois, Chairman, and C. D. WOODS, of Maine; for one year, H. J. WHEELER, of Rhode Island, and E. B. VOORHEES, of New Jersey.

OFFICERS OF THE ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS OF THE UNITED STATES.

President.—W. A. WITHERS, of West Raleigh, N. C.

Vice-President.—F. W. WOLL, of Madison, Wis.

Secretary.—H. W. WILEY, U. S. Department of Agriculture, Washington, D. C.

Executive Committee.—The PRESIDENT; the VICE-PRESIDENT; the SECRETARY; J. M. BARTLETT, of Orono, Me.; J. T. WILLARD, of Manhattan, Kans.

OFFICERS OF THE AMERICAN ASSOCIATION OF FARMERS' INSTITUTE WORKERS.

President.—G. A. PUTNAM, of Toronto, Canada.

Vice-President.—A. M. SOULE, of Athens, Ga.

Secretary-Treasurer.—JOHN HAMILTON, U. S. Department of Agriculture, Washington, D. C.

Executive Committee.—The PRESIDENT and the SECRETARY-TREASURER, ex officio; W. T. CLARKE, of Berkeley, Cal.; VAL KEYSER, of Lincoln, Nebr.; FRANKLIN DYE, of Trenton, N. J.

OFFICERS OF THE AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS.

President.—E. D. SANDERSON, of Durham, N. H.

First Vice-President.—H. T. FERNALD, of Amherst, Mass.

Second Vice-President.—P. J. PARROTT, of Geneva, N. Y.

Secretary.—A. F. BURGESS, U. S. Department of Agriculture, Washington, D. C.

OFFICERS OF THE SOCIETY FOR HORTICULTURAL SCIENCE.

President.—W. A. TAYLOR, U. S. Department of Agriculture, Washington, D. C.

Vice-Presidents.—G. B. BRACKETT, U. S. Department of Agriculture, Washington, D. C.; L. H. BAILEY, of Ithaca, N. Y.; S. A. BEACH, of Ames, Iowa.

Secretary-Treasurer.—C. P. CLOSE, of College Park, Md.

Assistant Secretary.—H. J. EUSTACE, of East Lansing, Mich.

Executive Committee.—W. A. TAYLOR (President ex officio), of Washington, D. C.; W. R. LAZENBY (Chairman), of Columbus, Ohio; W. M. MUNSON, of Morgantown, W. Va.; JOHN CRAIG, of Ithaca, N. Y.; C. P. CLOSE (Secretary ex officio), of College Park, Md.

AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS.

NOTE.—Members of boards of trustees or other governing boards of the college who are specially charged with the management of experiment station affairs are indicated by an asterisk (*).

ALABAMA.

Alabama Polytechnic Institute, *Auburn.*

GOVERNING BOARD.

Trustees: Gov. B. B. Comer (*Pres. ex officio*), *Montgomery;* H. C. Gunnels (*Supt. of Education, ex officio*), *Montgomery;* W. K. Terry, *Birmingham;* J. S. Frazer, *Mobile;* N. D. Denson, *Lafayette;* R. F. Ligon, jr., *Montgomery;* Tancred Betts, *Huntsville;* Wm. C. Davis,* *Jasper;* H. L. Martin, *Ozark;* R. B. Barnes, *Opelika;* A. W. Bell, *Anniston;* W. F. Feagin, *Montgomery;* J. H. Drake (*Surgeon*), *Auburn;* R. W. Burton (*Sec.*), *Auburn;* Miss M. A. Glenn (*Treas.*), *Auburn.*

COURSES OF STUDY.

There are nine regular four-year courses (B. S. degree), viz: Agriculture, civil engineering, electrical engineering, mechanical engineering, mining engineering, architecture, pharmacy, general course, and chemistry and metallurgy; three-year courses in pharmacy (Ph. C.) and in veterinary medicine and surgery (D. V. M.); two-year courses in agriculture (certificate), mechanic arts, and pharmacy (Ph. G.); a one-year course in agriculture, and a summer school for farmers. Postgraduate work is offered.

BOARD OF INSTRUCTION.

Charles C. Thach, M. A., LL. D., *President; English and Political Economy.*

George Petrie, PH. D., *Dean of Academic Depts.; Hist., Lat.*
Bennett B. Ross, M. S., *Dean of Agr. Sci.; Gen. and Agr. Chem.; State Chem.*
John J. Wilmore, M. E., *Dean of Engin. Faculty; Mech. Engin.; Dir. of Laboratories.*
Charles A. Cary, B. S., D. V. M., *Dean College of Vet. Med. and Surgery; Physiol., Vet. Sci.; State Vet.; in charge of Farmers' Insts.*
John F. Duggar, M. S., *Agr.*
John E. Wiatt, M. A., *Mod. Lang.*
James P. C. Southall, M. A., *Phys.*
Roger S. Mackintosh,[a] B. AGR., *Hort., For.; State Hort.*
Benj. S. Patrick, M. S., *Comdt.; Mil. Sci.*
Geo. N. Mitcham, C. E., E. M., *Civil Engin.*
Bolling H. Crenshaw, B. S., M. E., *Math.*
Albert H. Wilson, M. S., *Math.*
Emerson R. Miller, M. S., *Pharm., Chem.*
Warren E. Hinds, PH. D., *Ent.*
Michael T. Fullan, M. E., *Mech. Draw., Mech. Design.*
Clifford LeR. Hare, M. S., M. A., *Phys., Physiol. Chem.*
Daniel T. Gray, A. B., M. S., *Animal Indus.*
Francis E. Lloyd, A. M., *Bot.*
L. N. Duncan, M. S., *Agr. School Work.*
Reuben D. Webb, M. S., (*Assoc.*) *Rhet.*
James R. Rutland, A. B., (*Asst.*) *Engl.; Libr.*
William B. Stokes, M. E., *Instr. Mech. Arts.*
Thomas Bragg, M. S., *Instr. Chem.*
Berner L. Shi, C. E., *Instr. Math.*
Michael J. Donahue, A. B., *Phys. Dir.; Instr. Engl., Math.*
Casper C. Certain, E. E., *Registrar; Instr. Engl.*
Cincinnatus D. Killebrew, M. S., *Instr. Phys.*
Wm. LeR. Mitchell, M. E., *Instr. Mech. Arts.*
Isaac S. McAdory, B. S., D. V. M., *Instr. Vet. Sci.*
Joseph W. Ridgway, B. S., *Asst. in Animal Indus.*
Percy F. Williams, B. S., (*Actg.*) *Hort.*
Charles S. Ridgway, B. S., *Instr. Bot.*
M. J. Funchess, B. S., *Instr. Agr.*
Chas. S. Williamson, jr., M. S., *Instr. Chem.*
William F. Turner, B. S., *Asst. in Ent.*
Carl G. Gaum, E. E., *Instr. Draw.*
Jacob A. Walker, B. S., *Instr. Hist., Lat.*
James L. Skinner, E. E., *Instr. Math., Asst. in Elect. Engin.*
Ernest W. Thornton, B. S., *Asst. in Chem.*
Emmett E. Binford, B. S., *Asst. in Bot.*
J. C. C. Price, B. S., *Asst. in Hort.*
Daniel Herren, B. S., *Asst. in Civil Engin.*
J. W. Powell, B. S., *Asst. in Mech. Engin.*
James G. Stelzenmuller, B. S., *Asst. in Civil Engin.*
William J. Russell, B. S., *Asst. in Chem.*
P. F. Bahnsen, V. S., *Lect. on Phys. Diagnosis.*

[a] On leave.

Agricultural Experiment Station of the Alabama Polytechnic Institute, *Auburn.*

Department of the Alabama Polytechnic Institute, under the control of the Board of Trustees.

STATION STAFF.

J. F. Duggar, M. S., *Dir.; Agr.*
B. B. Ross, M. S., *Chem.*
C. A. Cary, B. S., D. V. M., *Vet.*
R. S. Mackintosh,[a] B. AGR., *Hort.*
W. E. Hinds, PH. D., *Ent.*
D. T. Gray, A B., M. S., *Animal Indus.*
F. E. Lloyd, A. M., *Bot.*
J. T. Anderson, PH. D., *Chem., Soil and Crop Invest.*
C. LeR. Hare, M. S., M. A., *Physiol. Chem.*
Thomas Bragg, M. S., *Asst. Chem.*
E. F. Cauthen, B. S., *Farm Supt.; Recorder.*
I. S. McAdory, B. S., D. V. M., *Asst. in Vet. Sci.*
P. F. Williams, B. S., *Actg. Hort.*
J. C. C. Price, B. S., *Asst. Hort.*
N. E. Bell, B. S., *Asst. Chem.*
W. F. Turner, B. S., *Asst. Ent.*
M. J. Funchess, B. S., *Asst. Agr.*
C. S. Williamson, jr., M. S., *Asst. Chem.*
L. W. Shook, B. S., *Asst. in Animal Indus.*

Agricultural and Mechanical College for Negroes, *Normal.*

GOVERNING BOARD.

Trustees: Gov. B. B. Comer, *Montgomery;* H. C. Gunnels (*Supt. of Education*), *Montgomery;* S. J. Mayhew (*Chair.*), *Huntsville;* D. A. Grayson (*Sec.*), *Huntsville;* Ben P. Hunt, *Huntsville.*

COURSES OF STUDY.

The college is divided into two departments—literary and industrial. The courses requiring four years for completion are as follows: Scientific, agricultural, and mechanical. Courses covering from one to four years are given in a number of different industrial and literary subjects.

BOARD OF INSTRUCTION.

Walter S. Buchanan, B. S. A., *President; Agriculture.*

W. O. Thompson, B. S., *Animal Indus.*
Miss H. K. Diffay, *Sew.*
Mrs. A. M. Boothe, A. B., *Cooking.*
Miss E. M. King, A. B., *Housekeeping.*
Mrs. H. Hopkins, *Laundering.*
Miss P. L. Shines, *Nurse Training.*
Miss M. J. Gibson, *Millinery.*
Luther A. Van Hoose, *Blacksm., Wheelwr.*

Canebrake Agricultural Experiment Station, *Uniontown.*

GOVERNING BOARD.

Board of Control: W. H. Tayloe (*Chair.*), *Uniontown;* J. A. Wilkinson (*Comr. of Agr. ex officio*), *Montgomery;* J. Huggins, *Newbern;* R. A. Hardie, *Uniontown;* Wm. Munford (*Treas.*), *Uniontown;* J. B. Garber, *Laneville;* J. F. Duggar, *Auburn.*

STATION STAFF.

F. D. Stevens, B. S., *Director in charge; Sec.*

Agricultural School of the Tuskegee Normal and Industrial Institute, *Tuskegee Institute.*

GOVERNING BOARD.

Board of Trustees: Seth Low (*Pres.*), *30 East Sixty-fourth st., New York City;* Wright W. Campbell* (*V. Pres.*), *Tuskegee;* Warren Logan* (*Treas.*), *Tuskegee Institute;* R. C. Bedford (*Sec.*), *832 Park ave., Beloit, Wis.;* George F. Peabody, *2 Rector st., New York City;* Paul M. Warburg, *52 William st., New York City;* Wm. G. Willcox, *27 William st., New York City;* H. H. Hanna, *Atlas Engine Works, Indianapolis, Ind.;* R. O. Simpson, *Furman;* Robert C. Ogden, *125 East Fifty-sixth st., New York City;* John C. Grant, *4651 Drexel boulevard, Chicago, Ill.;* V. H. Tulane, *433 South Ripley st., Montgomery;* Belton Gilreath, *Birmingham;* Chas. W. Hare,* *Tuskegee;* Booker T. Washington,* *Tuskegee Institute;* A. J. Wilborn,* *Tuskegee;* Charles F. Dole, *Jamaica Plain, Mass.;* Wm. J. Schieffelin, *170 William st., New York City.*

COURSES OF STUDY.

The institute is divided into five departments: Academic, Bible training school, mechanical industries, domestic economy or industries for girls, and agriculture.

---

[a] On leave.

The school of agriculture offers a four-year course in agriculture and two-year courses in live stock and dairying, truck gardening, poultry raising, agriculture, road building, landscape gardening, and fruit growing; also a two-year course in elementary agriculture for academic students. Postgraduate work is offered.

BOARD OF INSTRUCTION.

Booker T. Washington, *Principal.*

George W. Carver, M. S. Agr., *Dir. of Agr. Dept.*
Thos. N. Cowan, *Farm Supt.*
Geo. R. Bridgeforth, B. S., *Agr.*
A. A. Turner, *Dairying.*
H. H. Wheeler, *Dairying, Animal Husb.*
John W. Yates, *Care of Grounds and Greenhouse.*
C. W. Greene, *Truck Gard.*
E. L. Faulkner, *Fruit Gard.*
Mrs. Booker T. Washington, *Dir. Indus. for Girls.*
Maj. J. B. Ramsey, *Comdt.*
Capt. G. C. Austin, *Asst. to Comdt.*
Capt. W. H. Walcott, *Asst. to Comdt.*
S. M. Russell, *Dom. Sci.*
A. L. Evans, *Poultry Raising.*
Katie Davis, *Dom. Sci.*
Lillian R. Johnson, *Ladies' Tailoring.*
Hattie E. King, *Dressmaking.*
Margery E. Smith, *Plain Sew.*
Cornelia A. Vivian, *Millinery.*
Ophelia Donaldson, *Laundering.*
Ellen Burney, *Laundering.*
Carrie C. Smith, *Upholstering, Mattress Making.*
Octavia P. Ferguson, *Asst. to Dir.*
Mary E. Davis, *Housekeeping.*
Jane Weyman, *Housekeeping.*
Corrinne Judah, *Housekeeping.*
Rebecca J. Wright, *Housekeeping.*
John H. Palmer, *Registrar.*
Chas. W. Wood, *Libr.*
Amelia M. Cromwell, *Phys. Training.*

Tuskegee Agricultural Experiment Station, *Tuskegee Institute.*

Department of the Tuskegee Normal and Industrial Institute, under the control of the Board of Trustees of the Institute.

STATION STAFF.

George W. Carver, M. S. Agr., *Dir.*
George R. Bridgeforth, B. S., *Dir. Agr. Indus.*
R. A. Clark, *Asst. to Dir. Agr. Indus.*
T. N. Cowan, *Farm Supt.*
E. F. Colson, *First Asst. to Farm Supt.*
J. P. Powell, *Second Asst. to Farm Supt.*
H. H. Wheeler, *Dairy Herdsman.*
R. S. Pompey, *Asst. to Dairy Herdsman.*
C. W. Greene, *Truck Garden.*
A. A. Turner, *Dairyman.*
A. L. Evans, *Poultry Raising.*
W. A. Tate, *in charge of Swine Herd.*
M. Van Darthard, *in charge Horses and Mules.*
R. R. Robinson, *Asst. in charge Horses and Mules.*
Thos. M. Campbell, *Demonstrative and Farmers' Inst. Work.*
R. L. Waggener, *Farm Mech.*
E. L. Falkner, *Fruit Growing.*
L. J. Watkins, *Road Building and Construction Work.*
John E. Shaw, *Vet.*
F. C. Jones, *U. S. Demonstration Work.*

ALASKA.

Alaska Agricultural Experiment Stations, *Sitka, Copper Center, Rampart, Fairbanks, and Kodiak.*

Under the supervision of A. C. True, Director Office of Experiment Stations, United States Department of Agriculture.

STATION STAFF.

C. C. Georgeson, M. S., *Special Agent in Charge, Sitka.*
R. W. De Armond, *Asst. at Sitka.*
G. W. Gasser, B. S., *Asst. at Rampart.*
M. D. Snodgrass, B. S., *Asst. at Kodiak.*
Laurence Kelly, *Asst. Dairyman at Kodiak.*
J. W. Neal, *Asst. at Fairbanks.*

ARIZONA.

University of Arizona, *Tucson.*

GOVERNING BOARD.

Board of Regents: M. P. Freeman (*Chancellor*), *Tucson;* Geo. J. Roskruge (*Sec.*), *Tucson;* Chas. H. Bayless (*Treas.*), *Tucson;* A. V. Grossetta, *Tucson;* Gov. Richard E. Sloan (*ex officio*), *Phoenix;* K. T. Moore (*Supt. of Public Instr., ex officio*), *Phoenix.*

COURSES OF STUDY.

The university offers six regular four-year courses of study leading to a degree, viz: Literary, scientific, metallurgy, mining engineering, civil engineering, and mechanical engineering; also a two-year agricultural and a four-year preparatory course.

BOARD OF INSTRUCTION.

Kendric C. Babcock, PH. D., *President; History, Political Economy.*

Ernest S. Bates, PH. D., *Engl.*
F. N. Guild, M. A., *Chem.*
John J. Thornber, B. S., A. M., *Biol.*
W. W. Henley, A. B., *Mech. Arts.*
R. W. Clothier, M. S., *Agr.; in charge of Farmers' Insts.*
Chas. A. Turrell, M. A., *Mod. Lang.*
Hiram McL. Powell, Capt., U. S. A., *Mil. Sci. and Tactics.*
A. E. Douglass, A. B., SC. D., *Phys., Astron.*
L. A. Waterbury, C. E., *Civil Engin.*
W. G. Medcraft, A. M., (*Asst.*) *Math.*
R. C. Benner, PH. D., (*Asst.*) *Chem.*
H. A. E. Chandler, B. S., (*Asst.*) *Econ. and Hist.*
Estelle G. Lutrell, B. A., *Instr. Engl.; Libr.*
Caroline B. Singleton, A. B., *Instr. Engl.*
Ida C. Reid, B. S., PH. B., *Instr. Hist., Math.*
F. L. Kleeberger, B. S., *Instr. Phys. Training, Math.*
E. W. Waldron, B. A., *Instr. Engl.*
Helen Aldrich, PH. D., *Instr. Mod. Lang.*
Elizabeth E. Roberts, A. B., *Instr. German.*
W. L. Fowler, B. S., *Instr. Animal Husb.*
John Isaacson, *Instr. Shop Pract.*
James G. Brown, *Instr. Bot.*

Agricultural Experiment Station of the University of Arizona, *Tucson.*

Department of the University of Arizona, under the control of the Board of Regents.

STATION STAFF.

R. H. Forbes, M. S., *Dir.; Chem.*
J. J. Thornber, A. M., *Bot.*
A. E. Vinson, PH. D., *Biochem.*
F. W. Wilson, B. S., (*Phoenix*), *Assoc. Animal Husb.*
G. E. P. Smith, C. E., *Irrig. Engin.*
W. B. McCallum, PH. D., *Assoc. Bot.*
Geo. F. Freeman, B. S., *Plant Breeding.*
W. H. Ross, PH. D., *Asst. Chem.*
R. W. Clothier, M. S., *Agr.; in charge of Dry Land Invest.*
F. C. Kelton, B. S., *Asst. Engin.*
A. W. Morrill, PH. D., (*Phoenix*), *Ent.*
E. D. Trout, *Sec.*

ARKANSAS.

College of Agriculture of the University of Arkansas, *Fayetteville.*

GOVERNING BOARD.

Board of Trustees: Gov. Geo. W. Donaghey* (*ex officio Pres.*), *Little Rock;* Geo. B. Cook (*State Supt. of Public Instr., ex officio*), *Little Rock;* John E. Neelly (*Sec.*), *Fayetteville;* D. M. Allen (*Treas.*), *Fayetteville;* G. T. Breckinridge,* *Paragould;* John F. Rutherford, *Pine Bluff;* W. S. Goodwin,* *Warren;* M. L. Davis, *Dardanelle;* F. P. Hall,* *Fayetteville;* Gustave Jones,* *Newport;* R. O. Herbert, *Greenwood.*

COURSES OF STUDY.

The College of Agriculture offers a four-year course leading to the degree of B. S. A., a two-year course leading to a certificate, and a three weeks' winter course for farmers. Graduate work leading to the master's degree is also given.

BOARD OF INSTRUCTION.

John N. Tillman, LL. D., *President of the University.*

C. F. Adams, B. AGR., A. M., M. D., *Dean of College of Agr.; Ent.*
R. R. Dinwiddie, V. S., M. D., *Consulting Animal Husb. and Path.*
Ernest Walker, B. S. A., *Hort.*
F. W. Pickel, PH. D., *Biol.*
V. A. Hooper, *Dairy Husb.*
C. G. Carroll, PH. D., *Chem.*
E. F. Shannon,[a] *Engl.*
O. D. Wanamaker, PH. D., (*Actg.*) *Engl.*
Wilfrid Lenton, V. S., *Vet. Sci.*
Rufus J. Nelson, M. S., *Agr. Ed.*
W. M. Bruce, PH. D., *Agr. Chem.*
Martin Nelson, B. S. A., M. S., *Agron.*
J. Lee Hewitt, B. S. A., *Plant Path.*
H. E. Morrow, B. S. A., (*Assoc.*) *Chem.*

[a] On leave.

Geo. A. Cole, B. S., M. A., *Supt. of Farmers' Insts.*
A. K. Short, B. S. A., (*Actg.*) *Animal Husb.*
Carl H. Tourgee, B. S. AGR., (*Adjunct*) *Dairy Husb.*
W. S. Jacobs, B. S. A., (*Adjunct*) *Agron.*
H. D. Young, B. S., (*Adjunct*) *Agr. Chem.*
Robt. D. Carter, Lieut., U. S. A., *Mil. Sci. and Tactics; Comdt.*
Garland Greever, A. M., (*Adjunct*) *Engl. and Mod. Lang.*
Mrs. E. M. Blake, *Instr. Engl.*
Jobelle Holcomb, M. A., *Instr. Engl. and Mod. Lang.; Matron of Women.*
J. W. Wilson, B. S. A., (*Adjunct*) *Agr. Ed.*
R. M. Gow, D. V. M., (*Adjunct*) *Vet. Sci.*
Mrs. Mary Austin, *Libr.*
F. J. George, *Asst. Libr.*

Arkansas Agricultural Experiment Station, *Fayetteville.*

Department of the University of Arkansas, under the control of the Board of Trustees.

STATION STAFF.

Charles F. Adams, B. AGR., A. M., M. D., *Dir.; Ent.*
R. R. Dinwiddie, V. S., M. D., *Consulting Path. and Bact.*
Ernest Walker, B. S. A., *Hort.*
Victor A. Hooper, *Dairying.*
Wilfrid Lenton, V. S., *Vet.*
W. M. Bruce, PH. D., *Chem.*
Martin Nelson, B. S. A., M. S., *Agron.*
J. L. Hewitt, B. S. A., *Plant Path.*
A. K. Short, B. S. A., *Animal Husb.*
W. S. Jacobs, B. S. A., *Asst. Agr.*
C. H. Tourgee, B. S. AGR., *Asst. Dairy Husb.*
H. D. Young, B. S., *Asst. Chem.*
J. F. Stanford, M. D. V., *Asst. Animal Path.*
Paul Hayhurst, A. B., *Asst. Ent.*
Ashleigh P. Boles, M. A., *Asst. Plant Path.*
J. R. Tucker, B. S. A., *Asst. Agr. Chem.*
M. B. Oates, B. S. A., *Asst. Animal Husb.*
R. M. Gow, D. M. V., *Asst. in Vet. Sci.*
C. A. Ruzek, B. S., *Asst. Agron.*
L. L. Wootton, B. A. *Executive Clerk, Libr.*

CALIFORNIA.

College of Agriculture of the University of California, *Berkeley.*

GOVERNING BOARD.

The Regents of the University: Gov. J. N. Gillett (*ex officio Pres.*), *Sacramento;* W. R. Porter * (*Lieut.-Gov.*), *Watsonville;* Philip H. Stanton (*Speaker of the Assembly*), *202 Union Trust Building, Los Angeles;* Edward Hyatt (*State Supt. of Public Instr.*), *Sacramento;* Henry A. Jastro * (*Pres. State Agr. Society*), *1704 19th st., Bakersfield;* R. J. Taussig, *Main and Mission sts., San Francisco;* Benjamin Ide Wheeler (*Pres. of Univ.*), *1820 Scenic ave., Berkeley;* Isaias W. Hellman, *Wells-Fargo Nevada National Bank, San Francisco;* Chester Rowell, *Fresno;* Wm. H. Crocker, *Crocker National Bank, San Francisco;* C. W. Slack,* *504 Kohl Building, San Francisco;* J. B. Reinstein, *836 Mills Building, San Francisco;* J. E. Budd, *Stockton;* Mrs. Phoebe A. Hearst, *354 Pine st., San Francisco;* A. W. Foster, *1210 James Flood Building, San Francisco;* Garret W. McEnerney, *1277 James Flood Building, San Francisco;* Frank S. Johnson,* *210 California st., San Francisco;* G. C. Earl,* *1065 Shreve Building, San Francisco;* J. W. McKinley, *Pacific Electric Building, Los Angeles;* Rev. P. C. Yorke, *1267 Sixteenth ave., Oakland;* J. A. Britton, *445 Sutter st., San Francisco;* F. W. Dohrmann, *201 Geary st., San Francisco;* Thos. R. Bard, *Hueneme;* Victor H. Henderson (*Sec.*), *Berkeley.*

COURSES OF STUDY.

The university comprises several departments. The college of agriculture has a four-year general and a four-year technical course in agriculture, each leading to the degree of B. S.; short courses in agriculture covering from two to eight weeks each; a six weeks' summer school for teachers, and a farmers' week.

BOARD OF INSTRUCTION.[a]

Benjamin Ide Wheeler, PH. D., LL. D., *President of the University.*

Edward J. Wickson, M. A., *Dean of Agr.; Agr.*
Eugene W. Hilgard, PH. D., LL. D., *Agr., Emeritus.*
Wm. A. Setchell, PH. D., *Bot.*
Leroy Anderson, M. S. A., PH. D., *Agr. Pract.; Supt. Univ. Farm School.*
Meyer E. Jaffa, M. S., *Nutrition.*

[a] Includes only instructors in subjects *directly relating to agriculture.* Other members of the university may give instruction to students pursuing the agricultural course.

Robt. H. Loughridge, PH. D., *Agr. Chem., Emeritus.*
Chas. W. Woodworth, M. S., (*Assoc.*) *Ent.*
George W. Shaw, PH. D., *Expt. Agron.*, (*Assoc.*) *Agr. Tech.*
Ralph E. Smith, B. S., (*Assoc.*), *Plant Path.*
E. W. Major, B. AGR., (*Davis*), *Mgr. Univ. Farm;* (*Assoc.*) *Animal Indus.*
F. T. Bioletti, M. S., (*Assoc.*) *Vit.*
Ralph S. Minor, PH. D., (*Assoc.*) *Phys.*
Archibald R. Ward, B. S. A., D. V. M., (*Asst.*) *Vet. Sci., Bact.*
J. H. Norton, B. AGR., M. S., (*Asst.*) *Agr. Chem.*
H. J. Quayle, A. B., (*Asst.*) *Ent.*
Wm. B. Herms, B. S., M. A., (*Asst.*) *Ent.*
Clarence M. Haring, D. V. M., (*Asst.*) *Vet. Sci.*
Harvey M. Hall, PH. D., (*Asst.*) *Bot.*
Bernard A. Etcheverry, B. S., (*Asst.*) *Irrig. Engin.*
W. T. Clarke, B. S., (*Asst.*) *Hort.; Supt. of Farmers' Insts. and Univ. Ext. in Agr.*
H. A. Hopper, B. S. A., (*Asst.*) *Dairy Husb.*
E. B. Babcock, B. S., (*Asst.*) *Agr. Ed.*
John S. Burd, B. S., (*Asst.*) *Agr. Chem.*
H. J. Ramsey, M. S., M. A., (*Asst.*) *Plant Path.*
Wm. T. Horne, B. S., (*Asst.*) *Plant Path.*
John E. Coit, PH. D., (*Whittier*), (*Asst.*) *Pomol.*
Robert E. Mansell, *Instr. Hort.*
Ralph Benton, B. S., B. L., *Instr. Ent.*
Emil H. Hagemann, *Instr. Dairying.*
E. J. Lea, M. S., *Instr. Agr. Chem.*
D. R. Hoagland, A. B., *Instr. Agr. Chem.*
Arthur W. Cleghorn, A. B., (*Davis*), *Prin. Univ. Farm School; Instr. Engl., Math.*
R. M. Roberts, B. S. A., (*Davis*), *Instr. Farm Pract.*
Roscoe Farrar, B. S., *Instr. Soils and Farm Crops.*
Charles B. Lipman, M. S., *Instr. Soil Bact.*
Howard Phillips, B. S., (*Davis*), *Instr. Animal Indus.*
F. D. Hawk, B. S. A., (*Davis*), *Instr. Animal Indus.*
A. J. Gaumnitz, M. S. A., (*Davis*), *Asst. in Agron.*
Fred L. Yeaw, B. S., *Asst. in Plant Path.*
Thomas F. Hunt, B. S., *Asst. in Plant Path.*
Elizabeth H. Smith, M. S., *Asst. in Plant Path.*
Mattie E. Stover, *Asst. in Agr. Lab.*
Hans C. Holm, B. S., *Asst. in Zymological Tech.*
N. D. Ingham, *Asst. in Sylviculture.*
L. Bonnet, *Asst. in Vit.*
Earl L. Morris, B. S., *Field Asst. in Ent.*
W. H. Volck, *Field Asst. in Ent.*
J. S. Hunter, *Field Asst. in Ent.*
Frank E. Johnson, B. L., B. S., *Asst. in Soil Lab.*
P. L. Hibbard, B. S., *Asst. in Fert. Control.*
P. L. McCreary, B. S., *Asst. in Fert. Control.*

Agricultural Experiment Station of the University of California, *Berkeley.*

Department of the University of California, under the control of the Regents of the University.

STATION STAFF.

E. J. Wickson, A. M., *Dir.; Hort.*
E. W. Hilgard, PH. D., LL. D., *Chem.*
W. A. Setchell, PH. D., *Bot.*
Elwood Mead,[a] C. E., D. E., *Irrig. Engin.*
Leroy Anderson, M. S. A., PH. D., *Dairy Indus.; Supt. of Univ. Farm School.*
M. E. Jaffa, M. S., *Nutrition Expert; in charge of Poultry Sta.*
C. W. Woodworth, M. S., *Ent.*
R. H. Loughridge, PH. D., *Soil Chem. and Soil Phys.*
G. W. Shaw, PH. D., *Tech. Agr.; in charge of Cereal Sta.*
Geo. E. Colby, M. S., *Chem.* (*Fruits, Waters, Insecticides*)*; in charge of Chem. Lab.*
R. E. Smith, B. S., *Plant Path.; in charge of Southern California Path. Lab. and Expt. Sta.*
A. R. Ward,[a] B. S. A., D. V. M., *Vet., Bact.*
F. T. Bioletti, M. S., *Vit.*
E. W. Major, B. AGR., (*Davis*), *Animal Indus.; Farm Mgr., Univ. Farm.*
H. M. Hall, PH. D., *Asst. Bot.*
H. J. Quayle, A. B., (*Whittier*), *Asst. Ent.*
J. E. Coit, PH. D., (*Whittier*), *Asst. Hort. in charge Citrus Invest.*
W. T. Clarke, B. S., *Asst. Hort.; Supt. Univ. Ext. in Agr.*
J. S. Burd, B. S., *Chem. in Charge of Fert. Control.*
C. M. Haring, D. V. M., *Asst. Vet. and Bact.*
H. A. Hopper, M. S. A., (*Davis*), *Asst. Dairy Husb.*
J. H. Norton, M. S., (*Riverside*), *Asst. Chem. in charge of Fert. Expts.*
W. B. Herms, B. S., M. A., *Asst. Ent.*
T. F. Hunt, B. S., (*Riverside*), *Asst. Hort.*
Elizabeth H. Smith, A. B., M. S., *Asst. Plant Path.*
F. L. Yeaw, B. S., (*Vacaville*), *Asst. Plant Path.*
C. O. Smith, M. S., (*Whittier*), *Asst. Plant Path.*
E. B. Babcock, B. S., *Asst. Agr. Ed.*
W. T. Horne, B. S., *Asst. Plant Path.*
R. E. Mansell, *Asst. Hort.; in charge of Central Sta. Grounds.*
Ralph Benton, B. L., B. S., *Asst. Ent.*
E. H. Hagemann, (*Davis*), *Asst. in Dairying.*
E. J. Lea, M. S., *Asst. Agr. Chem.*
A. J. Gaumnitz, M. S. A., (*Davis*), *Asst. in Cereal Invest.*
J. S. Rose, B. S., *Asst. in Cereal Lab.*

[a] On leave.

H. C. Holm, B. S., *Asst. in Zymology.*
P. L. McCreary, B. S., *Asst. in Fert. Control Lab.*
F. E. Johnson, B. L., *Asst. in Soil Lab.*
Mattie E. Stover, B. S., *Asst. in Agr. Chem. Lab.*
D. R. Hoagland, A. B., *Asst. in Agr. Chem. Lab.*
Charles Fuchs, *Curator Ent. Museum.*
C. B. Lipman, M. S., *Asst. in Soil Bact.*
P. L. Hibbard, B. S., (*Haywards*), *Asst. in Fert. Control Lab.*
R. M. Roberts, B. S. A., (*Davis*), *Field Asst. in Vit., Univ. Farm.*
Roscoe Farrar, B. S., (*Davis*), *Asst. in Soils and Farm Crops, Univ. Farm.*
B. S. Brown, B. S. A., (*Davis*), *Asst. in Hort., Univ. Farm.*
Howard Phillips, B. S., (*Davis*), *Asst. in Animal Indus., Univ. Farm.*
L. M. Davis, B. S., (*Davis*), *Asst. in Dairy Husb., Univ. Farm.*
N. D. Ingham, (*Santa Monica*), *Asst. in Sylviculture.*
L. Bonnet, *Asst. in Vit.*
S. S. Rogers, (*Whittier*), *Asst. Plant Path.*
W. H. Volck, (*Watsonville*), *Field Asst. in Ent.*
Earl L. Morris, B. S., (*San José*), *Field Asst. in Ent.*
J. S. Hunter, (*San Mateo*), *Field Asst. in Ent.*

COLORADO.

The State Agricultural College of Colorado, *Fort Collins.*

GOVERNING BOARD.

The State Board of Agriculture: A. A. Edwards * (*Pres.*), *Fort Collins;* J. L. Brush * (*V. Pres.*), *Greeley;* L. M. Taylor (*Sec.*), *Fort Collins;* G. A. Webb (*Treas.*), *Fort Collins;* E. H. Grubb, *Carbondale;* B. F. Rockafellow, *Canon City;* R. W. Corwin, *Pueblo;* F. E. Brooks, *Colorado Springs;* E. M. Ammons,* *Littleton;* J. C. Bell, *Montrose;* Gov. John F. Shaforth (*ex officio*), *Denver;* Chas. A. Lory (*ex officio*), *Fort Collins.*

COURSES OF STUDY.

There are eight four-year courses, viz: Agricultural, horticultural, forestry, mechanical engineering, irrigation and civil engineering, electrical engineering, general and domestic science, and the course in general science for women (B. S.); postgraduate courses; three-year course in veterinary science (D. V. S.); three-year course of six months each in agriculture and domestic science, to which may be added a fourth year of nine months for college entrance; two-year course in mechanic arts; one-year courses in bookkeeping and farriery, and short winter courses in practical agriculture and domestic science. Theoretical and practical courses in library science and library economy are also offered.

BOARD OF INSTRUCTION.

Charles A. Lory, M. S., LL. D., *President.*

James W. Lawrence, M. E., *Dean of Faculty; Mech. Engin.*
Louis G. Carpenter, M. S., *Civil and Irrig. Engin.*
Clarence P. Gillette, M. S., *Zool., Ent.*
Geo. H. Glover, M. S., D. V. M., *Vet. Sci.*
William P. Headden, PH. D., *Chem., Geol.*
Mary F. Rausch, *Dom. Sci.*
Edward B. House, M. S., E. E., (*Assoc.*), *Irrig. Engin.*
L. M. Taylor, *Sec. of the Faculty.*
Virginia H. Corbett, B. L., M. PH., *Hist., Lit.*
William R. Thomas, M. A., LITT. D., *Constitutional Hist. and Irrig. Law.*
Benjamin F. Coen, B. L., *Engl.*
Sarah I. Kettle, A. B., *Mod. Lang.*
Harry D. Humphrey, Capt., U. S. A. (Retired), *Mil. Sci. and Tactics.*
Alvin Keyser, B. S., M. A., *Agron.*
H. M. Cottrell, M. S., *Dir. Farmers' Inst.; Ext. Work.*
G. E. Morton, B. S. A., *Animal Husb.*
Clarence L. Barnes, D. V. M., *Vet. Sci., Surgery.*
B. F. Kaupp, B. S., D. V. S., *Vet. Sci., Path.*
H. M. Bainer, M. S. A., *Farm Mech.; Instr. Dairying.*
E. R. Bennett, B. S., *Hort., For.*
Burton O. Longyear, B. S., *Bot., For.*
Walter G. Sackett, B. S., *Bact.*
Robert E. Trimble, B. S., *Met., Irrig. Engin.*
Frederick A. DeLay, B. S., *Phys., Elect. Engin.*
Leslie F. Paull, A. M., PH. B., (*Assoc.*) *Hort.*
S. L. Macdonald, B. A. *Math.*
Frederick C. Alford, M. S., (*Assoc.*) *Chem.*
S. Arthur Johnson, M. S., (*Assoc.*) *Ent., Zool.*
I. E. Newsom, B. S., D. V. S., (*Assoc.*) *Vet. Sci.*
H. E. Kingman, D. V. S., (*Assoc.*) *Vet. Sci.*
Charles Golding-Dwyre, jr., B. ACCT., *Farm Accts.*
T. M. Netherton, A. M., *Prin. School of Agr.*
Joseph F. Daniels, *Libr. Sci.; Libr.*
Inga M. K. Allison, E. B., *Instr. Dom. Sci.*
E. Bessey, B. S., E. E., *Instr. Elect. Engin.*

Zula M. Brockett, B. A., *Instr. Engl.*
H. B. Bonebright, B. S. A., *Asst. in Farm Mech.*
Rebecca R. Boswell, *Instr. Dom. Art.*
L. C. Bragg, *Curator of Museum.*
Albert Cammack, M. E., *Instr. Mech. Engin.*
Earl Douglass, M. S., *Asst. in Chem.*
D. W. Frear, B. S., *Asst. in Agr.*
Marguerite Frink, PED. B., B. A., *Asst. in Math.*
Geo. P. Weldon, B. S. (*Grand Junction*), *Zool. Field Agt.*
Robert S. Herrick, B. S. (*Delta*), *Hort. Field Agt.*
Laura Chatfield, *Asst. in Mod. Lang.*
E. J. Iddings, B. S., *Asst. in Animal Husb.*
Fred N. Langridge, M. E., *Asst. in Mech. Engin.*
D. E. Mackey, M. E., *Asst. in Forge and Foundry.*
Ralph Parshall, B. S., *Asst. in Civil and Irrig. Engin.*
James Pennycook, *Instr. Horseshoeing.*
Fred G. Person, B. A., *Asst. in Phys., Elect. Engin.*
Hiram Pierce, *Instr. Carpentry.*
C. E. Vail, B. S., M. A., *Asst. Chem.*
W. E. Vaplon, *Poultryman.*

Agricultural Experiment Station, *Fort Collins.*

Department of the State Agricultural College of Colorado, under the control of the State Board of Agriculture.

STATION STAFF.

L. G. Carpenter, M. S., *Dir.; Met., Irrig. Engin.*
C. P. Gillette, M. S., *Ent.*
W. P. Headden, PH. D., *Chem.*
B. O. Longyear, B. S., *Bot., For.*
G. H. Glover, M. S., D. V. M., *Vet.*
Alvin Keyser, B. S., M. A., *Agron.*
W. G. Sackett, B. S., *Bact.*
E. R. Bennett, B. S., *Hort.*
L. M. Taylor, *Sec.*
F. C. Alford, M. S., *Asst. Chem.*
Earl Douglass, M. S., *Asst. Chem.*
R. E. Trimble, B. S., *Asst. Met., Irrig. Engin.*
S. Arthur Johnson, M. S., *Asst. Ent.*
Miriam A. Palmer, A. M., *Sta. Illustrator.*
L. C. Bragg, *Asst. Field Ent.*
H. M. Bainer, M. S. A., *Farm Mach.*
Philo K. Blinn, B. S., *Field Agt., Arkansas Valley Substa., Rockyford.*
Geo. P. Weldon, B. S., (*Grand Junction*), *Field Ent.*
R. S. Herrick, B. S., (*Delta*), *Field Hort.*
C. L. Fitch, *Field Asst.* (*Potato Invest.*).

CONNECTICUT.

The Connecticut Agricultural Experiment Station, *New Haven.*

GOVERNING BOARD.

State Board of Control: Gov. Frank B. Weeks (*ex officio Pres.*), *Hartford;* W. H. Brewer (*Sec.*), *New Haven;* H. W. Conn, *Middletown;* G. A. Hopson, *Wallingford;* F. H. Stadtmueller, *Elmwood;* C. M. Jarvis, *Berlin;* E. H. Jenkins (*Treas.*), *New Haven;* J. H. Webb, *Box 1425, New Haven.*

STATION STAFF.

Edward H. Jenkins, PH. D., *Dir.*
John P. Street, M. S., *Chief Chem.*
T. B. Osborne, PH. D., *Chem.*
E. Monroe Bailey, PH. B., *1st Asst. Chem.*
Clifford B. Morrison, *Chem.*
Clarence E. Shepard, *Chem.*
Ralph B. Roe, A. B., *Asst. Chem.*
Wilton E. Britton, PH. D., *Ent.; State Ent.*
B. H. Walden, B. AGR., *Asst. Ent.*
George P. Clinton, S. D., *Bot.*
Samuel N. Spring, A. B., M. F., *in charge of Forest Work and State For.*
Walter O. Filley, *Asst. For.*
V. E. Cole, *Libr., Clerk.*
Hugo Lange, *Lab. Asst.*
J. B. Olcott, *Grass Gard.* (*South Manchester*).
V. L. Churchill, *Sampling Agt.*

The Connecticut Agricultural College, *Storrs.*[a]

GOVERNING BOARD.

Board of Trustees: Gov. Frank B. Weeks (*ex officio Pres.*), *Hartford;* E. H. Jenkins, *New Haven;* G. A. Hopson, *Wallingford;* E. S. Henry, *Rockville;* D. W. Patten * (*Treas.*), *Clintonville;* C. A. Capen,* (*Sec.*), *Willimantic;* A. J. Pierpont, *Waterbury;* L. J. Storrs,* *Mansfield Center;* H. G. Manchester,* (*V. Pres.*), *Winsted;* C. M. Jarvis, *New Britain;* J. W. Alsop, *Avon.*

[a] Telegraph address, *Storrs* via *Willimantic;* railroad station, express, and freight address, *Eagleville.*

COURSES OF STUDY.

Two years of preparatory academic work. Three three-year courses (diploma upon graduation), open to those who have completed the two preparatory years or their equivalent, as follows: Agriculture (dairying and poultry culture, and horticulture), mechanic arts, and home economics. The B. S. degree is given for one additional year of work in agriculture.

Summer school of about four weeks, for teachers and others, in nature study and agriculture. Two twelve weeks' winter courses in dairying and pomology; a six weeks' poultry course and a six weeks' course in forestry.

BOARD OF INSTRUCTION.

Charles L. Beach, B. Agr., B. S., *President.*

Louis A. Clinton, M. S., *Agron.*
Alfred G. Gulley, M. S., *Hort.*
John M. Trueman, B. S. A., *Dairy Husb.*
Chas. A. Wheeler, M. A., *Math.*
Henry R. Monteith, B. A., *Hist., Engl.*
Edwin O. Smith, B. S., *Engl., Polit. Econ.; Sec. of Faculty.*
Albert F. Blakeslee, Ph. D., *Bot.*
Alberta T. Thomas, *Dom. Sci., Lady Prin.*
Wm. M. Esten, M. S., *Bact.*
Frederic H. Stoneburn, *Poultry Husb.*
George H. Lamson, jr., B. Agr., M. S., *Geol., Ent.*
H. D. Newton, Ph. D., *Instr. Chem., Phys.*
John N. Fitts, B. Agr., *Mech. Arts.*
Edwina M. Whitney, Ph. B., *Instr. German; Libr.*
Orpha C. Smith, *Instr. Elocution, Engl.*
Herman D. Edmond, B. S., *Instr. Mil. Sci.*
Harry L. Garrigus, B. Agr., *Instr. Animal Husb.; Farm Supt.*
Alva T. Stevens, M. S., *Instr. Hort.*
Wm. M. Wilson, *Instr. Greenhouse Work.*
Chas. F. Stephenson, *Asst. Poultryman.*
Elizabeth Donovan, *Asst. in Chem., Phys.*
Abby M. Hicks, *Instr. Music.*
Edward B. Fitts, *Asst. in Dairying.*
Bert K. Dow, *Lect. in Vet. Sci.*

Storrs Agricultural Experiment Station, *Storrs.*[a]

Department of the Connecticut Agricultural College, under the control of the Board of Trustees.

STATION STAFF.

L. A. Clinton, M. S., *Dir.*
J. M. Trueman, B. S. A., *Dairy Husb.*
F. H. Stoneburn, *Poultryman.*
Wm. M. Esten, M. S., *Dairy Bact.*
C. D. Jarvis, B. S. A., Ph. D., *Hort.*
Geo. H. Lamson, jr., B. Agr., M. S., *Ent.*
H. D. Edmond, B. S., *Chem.*
Chas. Thom,[b] Ph. D., *Cheese Expert, Myc.*
A. W. Dox,[b] Ph. D., *Cheese Expert, Chem.*
Clinton Grant,[b] *Cheese Maker.*
Christie J. Mason, B. Agr., *Asst. Bact.*
Grace E. Seage, *Asst. Bact.*

DELAWARE.

Delaware College, *Newark.*

GOVERNING BOARD.

Board of Trustees: C. B. Lore (*Pres.*), *Wilmington;* Manlove Hayes * (*V. Pres.*), *Dover;* C. B. Evans (*Sec. and Treas.*), *Newark;* Gov. S. S. Pennewill (*ex officio*), *Dover;* Preston Lea, *Wilmington;* G. A. Harter * (*ex officio*), *Newark;* H. G. M. Kollock, *Newark;* J. C. Higgins, *Delaware City;* G. W. Marshall, *Milford;* J. H. Whiteman, *Wilmington;* George Biddle, *Elkton;* F. W. Curtis, *Wilmington;* W. T. Lynam, *Wilmington;* D. W. Corbit,* *Odessa;* Edward Reynolds, *Middletown;* L. H. Ball, *Marshallton;* L. P. Bush, *Wilmington;* J. C. Stockly, *Smyrna;* James Pennewill, *Dover;* C. S. Conwell, *Camden;* Geo. G. Kerr,* *Newark;* J. E. Dutton, *Seaford;* E. R. Paynter, *Georgetown;* W. H. Stevens, *Seaford;* John Biggs, *Wilmington;* W. Watson Harrington, *Dover;* Lewis W. Mustard, *Lewes;* S. H. Messick,* *Bridgeville;* S. H. Derby,* *Woodside;* Thomas Davis, *Wilmington;* J. H. Hossinger, *Newark.*

---

[a] Telegraph address, *Storrs* via *Willimantic;* railroad station, express, and freight address, *Eagleville.*

[b] In the service of the U. S. Department of Agriculture.

COURSES OF STUDY.

There are seven regular four-year courses, viz: Classical and Latin scientific (B. A.), agricultural (B. S. in Agr.), and general science (B. S.), and three engineering courses (B. S. in civil, mechanical, or electrical engineering); four-year agricultural (no degree), a two-year course and a one week's winter course in agriculture.

BOARD OF INSTRUCTION.

Geo. A. Harter, M. A., PH. D., *President; Mathematics and Physics.*

Edgar S. Stayer, Lieut., U. S. A., *Mil. Sci. and Tactics; Comdt.*
Harry Hayward, M. S. AGR., *Animal Husb.; Dean Dept. Agr.*
W. Owen Sypherd, M. A., PH. D., *Engl., Polit. Sci.*
Clarence A. Short, M. S., *Math.*
Chas. F. Dawson, M. D., D. V. S., *Bact.*
Chas. A. McCue, B. S., *Hort.*
Arthur E. Grantham, B. A., B. S. A., *Agron.*
Charles L. Penny, M. A., *Agr. Chem.*
Clinton O. Houghton, B. A., *Zool., Bot.*
Harold E. Tiffany, M. S., *Instr. Chem.*
Joseph M. McVey, B. A., *Instr. Math.*
Ezra K. Maxfield, M. A., *Instr. Engl.*

The Delaware College Agricultural Experiment Station, *Newark.*

Department of Delaware College, under the control of the Board of Trustees.

STATION STAFF.

Harry Hayward, M. S. AGR., *Dir.*
C. F. Dawson, M. D., D. V. S., *Vet.*
C. A. McCue, B. S., *Hort.*
M. T. Cook, PH. D., *Plant Path.*
A. E. Grantham, B. A., B. S. A., *Agron.*
Firman Thompson, B. S., *Chem.*
Herman D. Eggers, jr., *Asst. Chem.*
Jacob Taubenhaus, *Asst. Plant Path.*
H. R. Post, *Farm Foreman.*
Lottie W. Baker, *Sec.*

State College for Colored Students, *Dover.*

GOVERNING BOARD.

Board of Trustees: C. B. Lore (*Pres.*), *Wilmington;* Walter Morris (*Sec. and Treas.*), *Dover;* G. W. Marshall, *Milford;* Ebe W. Tunnell, *Lewes;* H. P. Cannon, *Bridgeville;* W. C. Jason (*ex officio*), *Dover;* F. H. Hoffecker, *Wilmington.*

COURSES OF STUDY.

The following four-year courses, leading to the degrees of B. S., B. Agr., and B. E., respectively, are offered: Scientific, agricultural, and engineering. There is also a three-year normal course, and industrial courses of two years each in woodworking, iron working, blacksmithing, masonry, printing, cooking, sewing, and dressmaking.

BOARD OF INSTRUCTION.

Rev. William C. Jason, A. M., D. D., *President; Latin, Psychology, Civics.*

Samuel L. Cornwell, A. M., *Ancient and Mod. Hist., Bot.; Sec.*
Lydia P. Laws, *Engl. Lit., U. S. Hist., Dom. Sci.*
T. W. Gordy, *Phys., Chem., Physiol.*
J. R. Cogbill, *Supt. Indus. Dept.; Math.*
Cecil Elsie Parker, B. S., *Arith., Grammar, Engl. Composition, Libr.*
Everett L. Brown, *Instr. Woodwork, Mech. Draw., Geog., Spelling.*
G. Winfield Deputy, *Instr. Pract. Agr.*

FLORIDA.

University of the State of Florida, *Gainesville.*

GOVERNING BOARD.

Board of Control: P. K. Yonge* (*Chair.*), *Pensacola;* T. B. King,* *Arcadia;* E. L. Wartmann,* *Citra;* F. P. Fleming,* *Jacksonville;* W. D. Finlayson,* *Old Town;* J. G. Kellum (*Sec.*), *Tallahassee.*

COURSES OF STUDY.

The work of the university is divided into six departments or schools, offering the following courses: Literary (B. A.), general science (B. S.), agricultural (B. S. in Agr.), three in engineering (B. S. in M. E., B. S. in E. E., and B. S. in C. E.), pedagogical (B. A. in Ped.), and law (LL. B.). Two-year courses in agriculture, mechanic arts, and pedagogy, leading to certificates, one-year preparatory, a six weeks' summer school for teachers and a correspondence course for teachers and farmers are also offered.

BOARD OF INSTRUCTION.

A. A. Murphree, A. M., LL. D., *President of the University.*

Jas. M. Farr, PH. D., *V. Pres.; Engl.*
John A. Thackston, PH. D., *Philos., Ed.*
Edward R. Flint, PH. D., M. D., *Chem.*
J. R. Benton, PH. D., *Phys.*
C. L. Crow, PH. D., *Mod. Lang.*
Jas. N. Anderson, PH. D., *Lat., Greek.*
Enoch M. Banks, PH. D., *Hist., Econ.*
H. S. Davis, PH. D., *Zool., Geol.*
Geo. M. Lynch, A. B., *Secondary Ed.*
John J. Vernon, M. S. A., *Agr., Hort.*
H. G. Keppel, PH. D., *Math., Astron.*
E. S. Walker, Major, U. S. A. (Retired), *Comdt.; Mil. Sci.*
N. H. Cox, B. S., *Civil Engin.*
W. L. Floyd, M. S., *Biol.*
K. H. Graham, *Auditor, Bookkeeper.*
G. E. Pile, *Phys. Dir.*
M. B. Hadley, A. B., *Libr.*

Agricultural Experiment Station of Florida, *Gainesville.*

Department of the University of the State of Florida, under the control of the Board of Control.

STATION STAFF.

P. H. Rolfs, M. S., *Dir.; in charge of Farmers' Insts.*
A. W. Blair, A. M., *Chem.*
John M. Scott, B. S., *Animal Indus.*
E. W. Berger, PH. D., *Ent.*
H. S. Fawcett, M. S., *Plant Path.*
B. F. Floyd, A. M., *Plant Physiol.*
Stanley E. Collison, M. S., *Asst. Chem.*
R. Y. Winters,[a] M. S., *Asst. Bot.*
John Belling, B. S., *Asst. Hort.*
B. B. Ezell, B. S., *Asst. Plant Physiol.*
Owen F. Burger, A. B., *Asst. Plant Path.*
J. C. Macmillan, *Asst. Ent.*
M. Crews, *Farm Foreman.*
K. H. Graham, *Auditor, Bookkeeper.*
Mrs. E. W. Berger, *Libr.*

Florida Agricultural and Mechanical College for Negroes, *Tallahassee.*

GOVERNING BOARD.

State Board of Education: Gov. Albert W. Gilchrist (*Pres.*), *Tallahassee;* W. M. Holloway (*Sec.*), *Tallahassee;* H. C. Crawford, *Tallahassee;* W. V. Knott, (*Treas.*), *Tallahassee;* W. H. Ellis, *Tallahassee.*

Board of Control: P. K. Yonge (*Chair.*), *Pensacola;* F. P. Flemming, *Jacksonville;* E. L. Wartmann, *Citra;* T. B. King, *Arcadia;* W. D. Finlayson, *Old Town;* J. G. Kellum (*Sec.*), *Tallahassee.*

COURSES OF STUDY.

The courses of study are: Four-year scientific (B. S.), normal (two years), high school and grammar school (three years each), with industrial training through all courses.

BOARD OF INSTRUCTION.

Nathan B. Young, M. A., *President; Ed., Econ.*

Geo. M. Sampson, M. A., *Sec.; Dir. Acad. Dept.; Math., Lat.*
Evalina A. Davis, *Cooking.*
W. A. Armwood, *Carpentry, Mech. Draw.*
Everett B. Jones, B. S., *Chem. Biol., Sci.*
F. H. Cardozo, *Dir. Agr. Dept.; Agr. Sci., Hort.*
W. H. Crutcher, *Farm Supt.; Pract. Agr.*
D. A. Sparks, *Animal Husb.*
Miss J. V. Hilyer, *Nurse Training.*
Daisy E. Attaway, *Engl.*
Mary E. Melvin, *Dean of Women; Engl. and Amer. Hist.*
Hattie E. Newbern, B. PED., *Engl., Scw.*

[a] On leave.

Ellen O. Paige, *Dressmaking.*
Eliza J. Powell, *Engl.*
Lulu M. Cropper, *Engl.; Registrar, Libr.*
E. Edna Jenkins, *Millinery.*
Julian L. Brown, *Print.*
James N. English, A. B., (*Asst.*) *Sci.*
Jessie V. Stephens, A. B., *Instr. German and Engl.*
Julia O. Wright, A. B., *Instr. Typew. and Sten.*
F. C. Johnson, B. S., *Dir. and Auditor; Phys., Instr. Mech. Draw.*
A. E. Martin, *Tailoring.*
W. H. A. Howard, M. A., *Comdt.,* (*Asst.*) *Math., Instr. Painting.*
T. S. Johnson, *Wheelwr., Blacksm.*

GEORGIA.

Georgia State College of Agriculture, University of Georgia, *Athens.*

Trustees: J. J. Conner (*Pres.*), *Cartersville;* J. W. Bennett, *Waycross;* J. T. Newton, *Madison;* D. M. Hughes, *Danville;* L. G. Hardman,* *Commerce;* T. G. Hudson,* *Atlanta;* R. C. Neely,* *Waynesboro;* J. L. Hand, *Pelham;* L. H. O. Martin, *Middleton;* A. J. McMullan, *Hartwell;* J. A. Trash, *Greenville;* A. L. Hull (*Sec. and Treas.*), *Athens.*

COURSES OF STUDY.

Four courses in agriculture are offered, viz, a four-year course leading to the degree of B. S., one-year course, three months' course, a ten days' cotton school, and a farmers' week.

BOARD OF INSTRUCTION.

David C. Barrow, C. and M. E., *Chancellor of the University.*

Andrew M. Soule, B. S. A., *Pres. of the College; Dir. State Farmers' Insts.*
H. C. White, PH. D., D. C. L., LL. D., *Chem.*
L. L. Hendren, PH. D., *Phys., Astron.*
John Morris, A. M., *German, Engl.*
Wm. D. Hooper, A. M., *Lat.*
Robt. E. Park, A. M., *Engl.*
Chas. M. Strahan, C. and M. E., *Civil Engin.*
John P. Campbell, PH. D., *Biol.*
J. H. T. McPherson, PH. D., *Hist., Polit. Sci.*
Chas. M. Snelling, A. M., *Math.*
John R. Fain, B. S., *Expt. Agron.*
J. M. Reade, B. S. A., PH. D., *Bot.*
Milton P. Jarnagin, B. S. A., *Animal Husb.*
R. P. Stephens, A. B., PH. D., (*Adjunct*) *Math.*
H. V. Black, PH. D., (*Adjunct*) *Chem.*
Ernest L. Griggs, (*Adjunct*) *Civil Engin.*
Steadman V. Sanford, A. B., (*Junior*) *Engl.*
R. J. H. De Loach, A. M., *Cotton Industry.*
J. S. Stewart, A. M., *Secondary Ed.*
Joseph Lustrat, M. A., *Romance Lang.*
Thos. J. Woofter, A. M., PH. D., *Philos., Ed.*
Thos. H. McHatton, D. SC., (*Adjunct*) *Hort.*
Alfred Akerman, A. B., M. F., *For.*
Wm. O. Payne, M. A., *Instr. Hist., Polit. Sci.*
F. D. Posey, A. B., *Instr. Math.*
R. L. McWhorter, A. M., *Instr. Lat.*
Leroy C. Hart, B. S., E. E., *Farm Mech.*
M. D. Du Bose, A. M., *Instr. Engl., German.*
S. M. Salyer, A. B., *Instr. Engl.*
R. P. Brooks, B. A., (*Adjunct*) *Georgia Hist.*
P. O. Vanatter, *Supt. Field Demonstrations.*
J. H. Burnett, *Libr.*
Jas. M. Kimbrough, Lieut., U. S. A., *Comdt.*

Georgia Experiment Station, *Experiment.*[a]

Department of Georgia State College of Agriculture and Mechanic Arts.

GOVERNING BOARD.

Board of Directors: Thomas G. Hudson (*Pres.*), *Atlanta;* J. B. Park (*Sec. and Treas.*), *Greensboro;* David C. Barrow, *Athens;* A. M. Soule, *Athens;* R. C. Neely, *Waynesboro;* R. F. Crittenden, *Shellman;* J. T. Ferguson, *De Soto;* J. H. Mobley, *Hamilton;* E. L. Peek, *Conyers;* N. B. Drewry, *Griffin;* Felix Corput, *Cave Spring;* L. G. Hardman, *Commerce;* George Gilmore, *Warthen;* William Henderson, *Ocilla.*

STATION STAFF.

Martin V. Calvin, *Dir.*
J. M. Kimbrough, *Asst. Dir.; Agr.*
H. C. White, PH. D., D. C. L., LL. D., (*Athens*), *V. Dir.; Chem.*
Paul N. Flint, M. S., *Animal Husb.*
H. P. Stuckey, B. S. A., *Hort.*
C. A. McLendon, B. S., *Bot., Plant Path.*
J. C. Temple, B. AGR., M. S., *Bact.*
J. C. McClain, B. S., *Dairy Ext. Work.*
J. E. Dorman, *Dairy Field Agt.*

[a] Telegraph, freight, and express address, *Griffin.*

Georgia State Industrial College, University of Georgia, *Savannah.*

GOVERNING BOARD.

Board of Commissioners: P. W. Meldrim (*Chair.*), *Savannah;* W. R. Hammond, *Atlanta;* P. J. Cline, *Milledgeville;* Otis Ashmore, *Savannah;* Geo. T. Murrell, *Athens;* D. C. Barrow (*Chancellor Univ. of Georgia, ex officio*), *Athens;* J. F. Brooks (*Treas.*), *Savannah.*

COURSES OF STUDY.

The courses offered are industrial, preparatory, normal, and collegiate. Practical agriculture is made one of the industrial features of the college courses. A special dairy course covering two months is offered during the winter.

BOARD OF INSTRUCTION.

David C. Barrow, C. and M. E., *Chancellor of the University.*

R. R. Wright, A. M., LL. D., *Pres. of the College; Instr. Engl. and Mental and Moral Sci.*
D. C. Suggs, PH. D., *V. Pres.; Instr. Nat. Sci.*
J. G. Lemon, A. M., *Instr. Math.*
S. A. Grant, A. B., *Instr. Engl. Pedag.*
Henry Pearson, A. M., *Asst. Instr. Engl.; Sec. of Faculty.*
L. B. Thompson, A. B., *Supt. Mech. Dept.; Asst. Instr. Math., Masonry, Plastering.*
W. C. McLester, *Foreman of Farm.*
J. M. Roston, *Wheelwr.; Proctor.*
Mrs. W. C. McLester, *Sew.*
J. H. Hazel, *Painting, Glazing, Sign Writing, Calcimining.*
R. M. Cooper, *Tailoring.*
Mrs. D. E. Pearson, *Prin. of Model School.*
G. A. Holloway, *Shoe and Harness Making.*
J. W. Warren, *Blacksm.*
E. M. Wilson, *Carpentry, Mech. Draw.*

GUAM.

Guam Agricultural Experiment Station.[a]

Under the supervision of A. C. True, Director Office of Experiment Stations, United States Department of Agriculture.

STATION STAFF.

John B. Thompson, B. S., *Special Agent in Charge.*
H. L. V. Costenoble, *Assistant.*

HAWAII.

College of Hawaii, *Honolulu.*

GOVERNING BOARD.

H. E. Cooper, A. Gartley, Morris J. Bissel, Walter G. Smith, Ralph S. Hosmer.

COURSES OF STUDY.

The college offers four courses leading to the degree of B. S., as follows: Scientific, agricultural, household economics, and engineering. In addition, courses for special students and correspondence courses are provided.

BOARD OF INSTRUCTION.

John W. Gilmore, M. S. A., *President; Agronomy.*

W. T. Pope, B. S., *Bot., Hort.*
J. S. Donaghho, B. A., *Math.*
John M. Young, M. M. E., *Mech. Engin.*
Wm. A. Bryan, B. S., *Zool.*
A. R. Keller, C. E., *Civil Engin.*
F. T. Dillingham, S. B., *Chem.*
B. E. Porter, B. S. A., *Animal Husb.*
Val Buehner, A. B., *German, French.*
Agnes Hunt, B. S., *Dom. Econ.*
Minnie E. Chipman, *Ceramics.*
Raymond C. Severance, B. S., *Phys., Chem.*
Mildred M. Yoder, PH. B., *Engl.*

[a] Address: *Island of Guam,* via *San Francisco.*

Hawaii Agricultural Experiment Station, *Honolulu.*

Under the supervision of A. C. True, Director Office of Experiment Stations, United States Department of Agriculture.

STATION STAFF.

E. V. Wilcox, PH. D., *Special Agent in Charge.*
J. Edgar Higgins, B. A., M. S. A., *Hort.*
F. G. Krauss, *Agrôn.*
W. P. Kelley, M. S., *Chem.*
D. T. Fullaway, A. B., *Ent.*
Alice R. Thompson, B. S., *Asst. Chem.*
C. J. Hunn, B. S. A., *Asst. Hort.*
Q. Q. Bradford, *Asst. in Rubber Invest.*
Valentine Holt, *Asst. Agron.*

Hawaiian Sugar Planters' Experiment Station, *Honolulu.*

GOVERNING BOARD.

*Trustees of Hawaiian Sugar Planters' Association: S. M. Damon (*Pres.*), W. G. Irwin (*V. Pres.*), W. O. Smith (*Sec. Treas.*), G. H. Robertson (*Auditor*), E. D. Tenny, F. A. Schaefer, J. F. Hackfeld, H. P. Baldwin, E. F. Bishop, F. M. Swanzy.

Experiment Station Committee: F. M. Swanzy (*Chair.*), G. H. Robertson, G. F. Davies, F. Klamp, E. E. Paxton, J. W. Waldron, T. H. Petrie.

STATION STAFF.

C. F. Eckart, M. S., *Dir.*
R. C. L. Perkins, B. A., Sc. D., *Ent.*
Noel Deerr, *Sugar Tech.*
Harold L. Lyon, PH. D., *Path.*
Samuel S. Peck, B. S., PH. G., *Chem.*
R. S. Norris, PH. D., *1st Asst. Chem.*
F. R. Werthmueller, B. S., *Asst. Chem.*
Arthur E. Jordan, *Asst. Chem.*
E. G. Clarke, *Agr.*
D. C. Broderick, *Field Foreman.*
J. H. Wale, *Substa. Asst.*
A. Koebele, *Consulting Ent.*
George W. Kirkaldy, *Asst. Ent.*
Frank W. Terry, *Asst. Ent.*
O. H. Swezey, B. A., M. S., *Asst. Ent.*
F. W. Muir, *Asst. Ent.*
L. D. Larsen, *Asst. Path.*
W. R. Potter, *Illustrator, Sta. Publications.*

IDAHO.

College of Agriculture of the University of Idaho, *Moscow.*

GOVERNING BOARD.

Board of Regents: Maris E. Lewis (*Pres.*), *Moscow;* Edward S. Sweet (*V. Pres.*), *Grangeville;* Mrs. Samuel H. Hays (*Sec.*), *Boise;* O. E. McCutcheon, *Idaho Falls;* E. H. Moffit, *Wallace.*

COURSES OF STUDY.

The regular course in agriculture requires four years for its completion and leads to the degree of B. S. A four-year preparatory course, a three-year course in agriculture and horticulture, a one-year course in commercial dairying, a special winter course of from four to six weeks in general farm practice, dairying, and horticulture, and a short winter course for forest rangers are also offered.

BOARD OF INSTRUCTION.

James A. MacLean, PH. D., LL. D., *President of the University; Political Economy.*

Edwin E. Elliott, M. S., *Dean of the College; Agr. Ed.*
John M. Aldrich, PH. D., *Biol.*
J. Shirley Jones, B. S., *Agr. Chem.*
J. H. Frandson, M. S. A., *Dairying.*
Elias Nelson, M. A., (*Caldwell*), *Irrig.*
C. H. Shattuck, PH. D., *For.*
William H. Wicks, M. S. A., *Hort.*
L. F. Childers, M. S., *Agron.*
John F. Nicholson, M. S., *Bact.*
F. W. Chamberlain, D. V. M., *Vet. Sci., Animal Husb.*
Jay G. Eldridge, PH. D., *German.*
Carl von Ende, PH. D., *Chem.*
Edward M. Hulme, A. M., *Hist.*
Charles N. Little, PH. D., *Civil Engin.*
Wm. S. Morley, A. M., Sc. D., *Math.*
Henrietta E. Moore, PH. D., *Engl. Lit.*
Lawrence E. Gurney, PH. D., *Phys.*
Miss B. S. Maynard, *Instr. Dom. Sci.*
Mrs. Jennie L. K. Haner, *Instr. Dom. Art, Draw.*
O. M. Osborne, *Instr. Agr.*
Andrew W. Smith, Lieut., U. S. A., *Mil. Sci. and Tactics; Comdt. of Cadets.*
C. C. Tull, *Instr. Engl. Lang.*
Belle Sweet, B. L. S., *Libr.*
Eber D. Kanaga, M. D., *Phys. Ed.*
Miss Permeal French, *Dean of Women.*

Agricultural Experiment Station of the University of Idaho, *Moscow.*

Department of the University of Idaho, under the control of the Board of Regents.

STATION STAFF.

W. L. Carlyle, M. S., *Dir.; in charge of Farmers' Institutes.*
J. Shirley Jones, B. S., *Chem.*
J. H. Frandson, M. S. A., *Dairying.*
W. H. Wicks, M. S. A., *Hort.*
Elias Nelson, M. A., *(Caldwell), Irrig.*
L. F. Childers, M. S., *Agron.*
J. F. Nicholson, M. S., *Bact.*
H. P. Fishburn, M. A., *Asst. Chem.*
C. W. Colver, B. S., *Asst. Chem.*
G. E. Frevert, B. S. A., *Asst. in Dairying.*
Prentice Moore, *Farm Foreman.*

ILLINOIS.

College of Agriculture of the University of Illinois, *Urbana.*

GOVERNING BOARD.

Board of Trustees of the University: Gov. Chas. S. Deneen *(ex officio), Springfield;* G. H. Madden *(Pres. State Bd. of Agr., ex officio), Mendota;* F. G. Blair *(State Supt. of Public Instr., ex officio), Springfield;* Mrs. Carrie T. Alexander. *Belleville;* Lewis L. Lehman, *Mattoon;* Laura B. Evans, *Taylorville;* William L. Abbott *(Pres.), 139 Adams street, Chicago;* Charles Davison, *1010, 103 State street, Chicago;* Mrs. Mary E. Busey, *Urbana;* F. L. Hatch, *Spring Grove;* William L. Pillsbury *(Sec.), Urbana;* H. A. Haugan *(Treas.), State Bank of Chicago, Chicago;* S. W. Shattuck *(Comptroller), Champaign;* Eugene Funk, *Bloomington.*

COURSES OF STUDY.

Three four-year courses, leading to the degree of B. S., viz: Agriculture, household science, and landscape gardening, and six weeks' summer courses in secondary and elementary agriculture for rural teachers, and two-week courses in agriculture and domestic science, are offered. Provision is also made for special students.

BOARD OF INSTRUCTION.

Edmund J. James, PH. D., LL. D., *President of the University.*

Eugene Davenport, M. AGR., LL. D., *Dean; Thremmatology.*
Thomas J. Burrill, PH. D., LL. D., *V. Pres.; Bot.*
Henry B. Ward, PH. D., *Zool.*
Charles W. Rolfe, M. S., *Geol.*
Donald McIntosh, V. S., *Vet. Sci.*
Samuel W. Parr, M. S., *Applied Chem.*
Daniel K. Dodge, PH. D., *Engl., Lit.*
David Kinley, PH. D., *Econ.; Dean of Graduate School.*
Albert P. Carman, SC. D., *Phys.*
Evarts B. Greene, PH. D., *Hist.*
Geo. A. Huff, *Dir. Phys. Training.*
Geo. H. Meyer, M. A., *(Asst.) German.*
Thomas A. Clark, B. L., *Rhet.*
Thomas E. Oliver, PH. D., *Romance Lang.*
Isabel Bevier, PH. M., *Household Sci.*
Cyril G. Hopkins, PH. D., *Agron.*
Edmond G. Fechét, Lieut. Col., U. S. A. (Retired), *Mil. Sci.*
Herbert W. Mumford, B. S., *Animal Husb.*
Harry S. Grindley, SC. D., *Chief in Animal Chem.*
Philip B. Hawk, PH. D., *Physiol. Chem.*
Chas. F. Hottes, PH. D., *(Asst.) Bot.*
Frank Smith, B. PH., A. M., *(Assoc.) Zool.*
Joseph C. Blair, M. S. A., *Pomol.*
Wilber J. Fraser, M. S., *Dairy Husb.*
Neil C. Brooks,[a] PH. D., *(Asst.) German.*
John W. Lloyd, M. S. A., *(Asst.) Oler.*
Louie H. Smith, PH. D., *(Asst.) Plant Breeding.*
Ward J. MacNeal, PH. D., M. D., *(Asst.) Bot.*
Justus W. Folsom, SC. D., *(Asst.) Ent.*
Daisy L. Blaisdell, A. M., *Instr. German.*
W. C. Coffey, B. S., *Assoc. in Sheep Husb.*
Daniel O. Barto, A. B., B. S., *Instr. Agr. for Secondary Schools.*
Chas. S. Crandall, M. S., *(Assoc.) Pomol.*
J. G. Mosier, B. S., *(Asst.) Soil Phys.*
Jas. H. Pettit, PH. B., *(Asst.) Soil Fertility.*
William Dietrich, M. S. A., *(Asst.) Swine Husb.*
Louis D. Hall, M. S., *(Asst.) Animal Husb.*
Cassius C. Hayden, B. S. A., *(Asst.) Dairy Husb.*
Rufus C. Obrecht, B. S. A., M. S., *Assoc. in Horse Husb.*
Frank W. Scott, A. M., *(Assoc.) Engl.*
Earl A. White, B. S., *Asst. in Agr. Mech.*
Ira W. Dickerson, B. S., *Asst. in Agr. Mech.*
K. J. T. Ekblaw, B. S., *Asst. in Agr. Mech.*
Herman B. Dorner, M. S., *Instr. Flor.*
Albert N. Hume,[a] M. S., *Assoc. in Crop Production.*

[a] On leave.

O. D. Center, B. S., *Assoc. in Crop Production.*
William G. Eckhardt, B. S., *Asst. in Soil Fertility.*
Chas. F. Briscoe, A. M., *Instr. Bot.*
Fred. H. Rankin, *Supt. Agr. College Ext.*
F. L. Charles, M. S., (*Asst.*) *Agr. Ed.*
Susannah Usher, S. B., (*Asst.*) *Household Sci.*
Anna Van Meter, M. S., (*Asst.*) *Household Sci.*
A. Phelps Wyman, B. S. Agr., (*Asst.*) *Landscape Gard.*
H. F. Major, B. S., LL. B., *Asst. in Landscape Gard.*
R. B. Howe, B. S., *Instr. Pomol.*
Charlotte M. Gibbs, A. M., *Instr. Textiles.*
Leonard Hegnauer, A. B., B. S. Agr., *Instr. Crop Production, Asst. in College Ext.*
Harry O. Allison, B. S., *Instr. Animal Husb.*
Walter L. Gaines, B. S., *Instr. Dairy Husb.*
A. F. Gustafson, B. S., *Asst. in Soil Phys.*
Nelson W. Hepburn, B. S., *Asst. in Dairy Manufactures.*
Helena M. Pincomb, B. S., *Asst. in Household Sci.*
Nellie E. Goldthwaite, Ph. D., *Research Asst. in Household Sci.*
Arthur Lumbrick, B. S., *Asst. in Crop Production.*
R. E. Brand, B. S., *Asst. in Dairy Husb.*

Agricultural Experiment Station of the University of Illinois, *Urbana.*

Department of the University of Illinois, under the control of the Board of Trustees.

STATION STAFF.

Eugene Davenport, M. Agr., LL. D., *Dir.*
C. G. Hopkins, Ph. D., *V. Dir.; Chief in Agron.*
Stephen A. Forbes, Ph. D., *Consulting Ent.*
L. H. Smith, Ph. D., *Asst. Chief in Chem. and Plant Breeding.*
J. G. Mosier, B. S., *Asst. Chief in Soil Phys.*
J. H. Pettit, Ph. B., *Asst. Chief in Soil Fertility.*
A. F. Gustafson, B. S., *Asst. in Soil Phys.*
W. G. Eckhardt, B. S., *Asst. in Soil Fertility.*
A. N. Hume,[a] M. S., *Asst. Chief in Crop Production.*
O. D. Center, B. S., *First Asst. in Crop Production.*
Leonard Hegnauer, A. B., B. S. Agr., *Asst. in Crop Production.*
J. E. Readhimer, B. S., *Supt. of Soil Expt. Fields.*
J. P. Aumer, B. S., *Asst. in Chem.*
Arthur Lumbrick, B. S., *Asst. in Crop Production.*
O. S. Fisher, B. S., *Asst. in Soil Fertility.*
C. C. Logan, B. S., *Asst. in Soil Phys.*
J. B. Park, A. B., *Asst. in Chem.*
Ernest Van Alstine, B. S., *Asst. in Chem.*
Clyde H. Myers, B. S., *Asst. in Chem.*
H. W. Mumford, B. S., *Chief in Animal Husb.*
H. S. Grindley, Sc. D., *Chief in Animal Chem.*
W. J. MacNeal, Ph. D., M. D., *Asst. Chief in Bact.*
F. W. Gill, B. S., *First Analyst in Animal Nutrition.*
Arthur D. Emmett, B. S., M. A., *Assoc. in Animal Nutrition.*
S. V. Holt, B. S., *Asst. in Soil Survey.*
A. W. Hayes, B. S., *Asst. in Soil Survey.*
H. W. Stewart, B. S., *Asst. in Soil Survey.*
H. C. Wheeler, *Asst. in Soil Survey.*
Gertrude Niederman, B. S., *Asst. Chem.*
R. G. Smith, B. S., *Asst. Chem.*
William Dietrich, M. S. A., *Asst. Chief in Swine Husb.*
L. D. Hall, M. S., *Asst. Chief in Animal Husb.*
R. C. Obrecht, B. S. A., M. S., *Assoc. in Horse Husb.*
W. C. Coffey, M. S., *First Asst. in Sheep Husb.*
H. O. Allison, B. S., *Asst. in Animal Husb.*
Donald McIntosh, V. S., *Consulting Vet.*
W. J. Fraser, M. S., *Chief in Dairy Husb.*
N. W. Hepburn, B. S., *Asst. in Dairy Manufactures.*
C. C. Hayden, M. S. A., *Asst. in Dairy Husb.*
Jesse M. Barnhart, B. S., *Asst. Chem. in Dairy Husb.*
R. E. Brand, B. S., *Asst. in Dairy Husb.*
Walter L. Gaines, B. S., *Asst. in Dairy Husb.*
D. L. James, B. S., *Asst. in Dairy Husb.*
LeRoy Lang, B. S., *Asst. in Dairy Husb.*
J. C. Blair, M. S. A., *Chief in Hort.*
O. S. Watkins, B. S., *Asst. Chem. in Hort.*
C. S. Crandall, M. S., *Chief in Plant Breeding.*
John W. Lloyd, M. S. A., *Asst. Chief in Oler.*
R. B. Howe, B. S., *Field Asst. in Pomol.*
I. S. Brooks, B. S., *Asst. in Pomol.*
T. J. Burrill, Ph. D., LL. D., *Bot.*
H. B. Dorner, M. S., *Asst. in Flor.*
A. H. Nehrling, *Asst. in Flor.*
E. W. Bailey, M. S., *Asst. in Plant Breeding.*
W. A. Ruth, M. S., *Asst. Hort. Chem.*
C. E. Durst, B. S., *Asst. in Oler.*
Henry L. Rietz, Ph. D., *Statistician.*
Catherine M. McIntire, *Sec.*

[a] On leave.

INDIANA.

School of Agriculture of Purdue University, *Lafayette.*

GOVERNING BOARD.

Board of Trustees: Addison C. Harris (*Pres.*), *Indianapolis;* E. A. Ellsworth (*Sec.*), *Lafayette;* J. M. Fowler (*Treas.*), *Lafayette;* George Ade, *Brook;* Charles Downing, *Greenfield;* Chas. Major, *Shelbyville;* J. D. Oliver, *South Bend;* Henry A. Miller, *Montmorenci;* G. A. Jamison, *Lafayette;* A. A. Adams, *Columbia City;* C. M. Hobbs, *Bridgeport.*

COURSES OF STUDY.

The course of study requires four years for completion and leads to the degree of B. S. in agriculture. There are also short winter courses in agriculture and horticulture, dairying, animal husbandry, and household economics, and a farmers' week.

BOARD OF INSTRUCTION.[a]

Winthrop Ellsworth Stone, PH. D., LL. D., *President of the University.*

John H. Skinner, B. S., *Dean; Animal Husbandry.*
William C. Latta, M. S., *Agr.; Supt. of Farmers' Insts.*
James Troop, M. S., *Hort., Ent.*
Robert A. Craig, D. V. M., *Vet. Sci.*
Albert T. Wiancko, B. S. A., *Agron.*
Otto F. Hunziker, M. S. A., *Dairy Husb.*
Stanley Coulter, PH. D., LL. D., *Biol.*
J. C. Arthur, D. Sc., *Veg. Physiol. and Path.*
Percy N. Evans, PH. D., *Chem.*
Ervin S. Ferry, B. S., *Phys.*
Emma M. McRae, M. A., *Engl. Lit.*
Thos. F. Moran, PH. D., *Hist., Polit. Econ.*
Herman Babson, PH. D., *German.*
Pauline Mariotte-Davies, PH. D., *French.*
Alfred M. Kenyon, A. M., *Math.*
Thos. G. Alford, A. M., *Math.*
Erastus Test, M. S., M. D., *Math.*
George L. Roberts, A. B., *Indus. Ed.*
Benjamin H. Watkins, Capt., U. S. A., *Mil. Sci. and Tactics; Comdt. of Cadets.*
James H. Ransom, PH. D., *Gen. Chem.*
Mrs. Henrietta W. Calvin, B. S., *Household Econ.*
Alpha P. Jamison, M. E., *Mech. Draw.*
George I. Christie, B. S. A., *Agr. Ext.*
Severance Burrage, S. B., (*Assoc.*) *Sanitary Sci.*
Carolyn E. Shoemaker, M. S., (*Assoc.*) *Engl.*
E. G. Mahin, PH. D., (*Assoc.*) *Chem.*
Edward H. Davis, S. B., (*Assoc.*) *Econ.*
W. McE. Nye, B. S., (*Asst.*) *Farm Mech.*
Wm. W. Smith, B. S. A., (*Asst.*) *Animal Husb.*
Martin L. Fisher, B. S., (*Asst.*) *Agron.*
Charles M. Smith, B. S., (*Asst.*) *Phys.*
Ralph B. Trueblood, B. S., (*Asst.*) *Pract. Mech.*
A. R. Middleton, PH. D., (*Asst.*) *Chem.*
John Heiss, A. M., (*Asst.*) *German.*
Chas. H. Beckett, A. B., (*Asst.*) *Math.*
Howard E. Enders, PH. D., *Instr. Zool.*
Oliver P. Terry, M. S., M. D., *Instr. Physiol.*
S. D. Conner, M. S., *Instr. Agr. Chem.*
J. D. Jarvis, B. S. A., *Instr. Dairying.*
O. E. Reed, B. S. A., *Instr. Milk Production.*
Clare N. Arnett, B. S., *Instr. Animal Husb.*
Otis Crane, *Instr. Poultry Husb.*
Jesse G. Boyle, B. S., *Asst. in Hort.*
C. E. Craig, M. S. A., *Asst. in Agron.*
Wm. M. Hepburn, A. M., *Libr.*

Agricultural Experiment Station of Indiana, *Lafayette.*

Department of Purdue University, under the control of the Board of Trustees.

STATION STAFF.

Arthur Goss, M. S., A. C., *Dir.; Chem.*
James Troop, M. S., *Hort. Ent.*
J. C. Arthur, D. Sc., *Bot.*
J. H. Skinner, B. S., *Chief Animal Husb. Dept.*
A. T. Wiancko, B. S. A., *Agr.*
R. A. Craig, D. V. M., *Vet.*
O. F. Hunziker, M. S. A., *Chief Dairy Husb. Dept.*
W. J. Jones, jr., M. S., A. C., *State Chem.*
G. I. Christie, B. S. A., *Supt. Agr. Ext.*
G. W. Spitzer, PH. G., *Dairy Chem.*
M. L. Fisher, B. S., *Assoc. Agr.*
S. D. Conner, M. S., *Assoc. State Chem.*
F. D. Kern, M. S., *Assoc. Bot.*
C. G. Woodbury, M. S., *Assoc. Hort.*
J. B. Abbott, M. S. A., *Asst. in Soil Improvement.*
H. P. Rusk, B. S. A., *Asst. Animal Husb.*
C. O. Cromer, B. S., *Asst. Agr.*

[a] This list does not include the instructors exclusively engaged in the schools of engineering, science, and pharmacy.

G. M. Frier, B. S. A., *Asst. in Ext. Work.*
A. G. Johnson, B. S., *Asst. Bot.*
B. R. Ryall, M. S., *Asst. Hort.*
H. H. Madaus, B. S., *Asst. Vet.*
H. E. Kiger, B. S. A., *Asst. Animal Husb.*
H. C. Mills, B. S., *Asst. Dairy Husb.*
O. E. Reed, B. S. A., *Asst. in Milk Production.*
P. H. Crane, B. S., *Asst. in Dairy Field Work.*
W. F. Epple, PH. D., *Asst. Dairy Chem.*
O. C. Haworth, B. S., *Chief Deputy State Chem. (Fert. and Feed-Stuff Control).*
E. G. Proulx, B. S., *Asst. State Chem. (Fert. Control).*
C. W. Rice, B. S., *Asst. State Chem. (Fert. Control).*
Carleton Cutler, B. S., *Asst. State Chem. (Feed-Stuff Control).*
A. G. Summers, B. S., *Asst. State Chem. (Feed-Stuff Control).*
W. F. Fisher, *Insp. (Fert. and Feed Control).*
O. S. Roberts, B. S., *Insp. (Fert. and Feed Control).*
Thomas Billings, *Asst. in Plant Culture.*
W. P. Lane, *Foreman in Hort. Dept.*
L. S. Mills, *Foreman in Agr. Dept.*
C. F. Benson, *Helper in Vet. Dept.*
Henry Wagner, *Helper (Feed-Stuff Control).*
John Wagner, *Helper (Fert. Control).*
E. A. Ellsworth, *Sec.*
Nellie Tracy, *Clerk and Libr.*

IOWA.

Iowa State College of Agriculture and Mechanic Arts, *Ames.*

GOVERNING BOARD.

Board of Education: Gov. B. F. Carroll (*ex officio*), *Des Moines;* J. F. Riggs (*Supt. of Public Instr., ex officio*), *Des Moines;* A. B. Funk, *Spirit Lake;* J. E. Trewin, *Cedar Rapids;* P. K. Holbrook, *Onawa;* Roger Leavitt, *Cedar Falls;* C. R. Brenton, *Dallas Center;* T. D. Foster, *Ottumwa;* E. T. Schoentgen, *Council Bluffs;* D. D. Murphy, *Elkader;* G. T. Baker, *Davenport;* Herman Knapp (*Treas.*), *Ames.*

COURSES OF STUDY.

The courses of study are fourteen, each requiring four years for completion, with optional five-year courses in the division of engineering, leading to advanced degrees. The six courses in agriculture (agronomy, dairying, animal husbandry, horticulture and forestry, agricultural engineering, and science and agriculture) lead to the degree of B. S. A.; the course in veterinary science, to the degree of D. V. M.; the course in mechanical engineering, to the degree of B. M. E.; the course in civil engineering, to the degree of B. C. E.; the course in electrical engineering, to the degree of B. S. in E. E.; the course in mining engineering, to the degree of B. S. in Min. E.; the course in ceramics, to the degree of B. E. M. in Cer.; the course in science as related to the industries, to the degree of B. S., and the course in domestic science for women, to the degree of B. D. S. There are also two-year courses in mining and clay working, one-year courses in dairying and poultry husbandry, a one-year preparatory course, short winter courses in stock, corn, and grain judging, dairying, horticulture and forestry, agricultural engineering, poultry, and domestic science, and a course in agricultural journalism.

BOARD OF INSTRUCTION.

Rev. Albert Boynton Storms, A. M., D. D., LL. D., *President; Dean of the Division of Science.*

Edgar W. Stanton, M. S., LL. D., *Dean of the Junior College; Math.*
Charles F. Curtiss, M. S. A., D. Sc., *Dean Div. Agr.*
Hon. James Wilson, M. S. A., *Lect. in Agr.*
Gen. James R. Lincoln, *Mil. Sci.*
Alfred A. Bennett, M. S., *Chem.*
Louis H. Pammel, B. AGR., M. S., PH. D., *Bot., Gen. Bact.*
Fletcher Briggs, PH. B., A. M., *Mod. Lang.*
Louis B. Spinney, B. M. E., M. S., *Phys., Illuminating Engin.*
Alvin B. Noble, B. PH., *Rhet., Lit.*
Chas. H. Stange, D. V. M., *Dean Div. of Vet. Med.; Vet. Med., Surgery.*
Henry E. Summers, B. S., *Zool.*
Robert E. Buchanan, M. S., *Gen. Bact.*
R. R. Dykstra, D. V. M., *Anat., Obstetrics.*
Charles A. Scott, B. S. A., (*Assoc.*) *For.*
Martin Mortensen, B. S. A., (*Assoc.*) *Dairying; Actg. Head of Dairy Dept.*
Orange H. Cessna, A. M., D. D., *Hist., Psych.*
Willard J. Kennedy, B. S. A., *Animal Husb.*
Arthur MacMurray, B. A., M. O., *Public Speaking.*

Sybil Lentner, B. S., (*Asst.*) *Public Speaking.*
Wm. H. Stevenson, A. B., B. S. A., *Soils.*
J. Brownlee Davidson, B. S. IN M. E., *Agr. Engin.*
Spencer A. Beach, B. S. A., M. S., *V. Dean Div. Agr.; Hort.*
Benjamin H. Hibbard, B. AGR., PH. D., *Econ., Polit. Sci.*
Mrs. Alice Dynes-Feuling, B. S., *Dom. Econ.*
Maria M. Roberts, B. L., (*Assoc.*) *Math.; V. Dean of Junior College.*
Arthur T. Erwin, B. S., M. S. A., (*Assoc.*) *Hort.*
Lola A. Placeway, B. S., (*Assoc.*) *Chem.*
Winfred F. Coover, A. M., (*Assoc.*) *Chem.*
Wayne Dinsmore, B. S. A., (*Assoc.*) *Animal Husb.*
W. W. Dimock, D. V. M., (*Assoc.*) *Vet. Med. and Research.*
Wm. H. Pew, B. S. A., (*Asst.*) *Animal Husb.*
Vina E. Clark, *Libr.*
Herman Knapp, B. S. A., *Registrar.*
Elizabeth Maclean, M. DI., (*Assoc.*) *Engl.*
Joseph E. Guthrie, M. S., (*Asst.*) *Zool.*
Ernest A. Pattengill, B. S., (*Asst.*) *Math.*
Julia Colpitts, A. M., (*Asst.*) *Math.*
Louis B. Schmidt, A. M., (*Asst.*) *Hist.*
A. H. Hoffman, A. M., B. S. IN E. E., (*Asst.*) *Phys.*
W. B. Anderson, M. S., PH. D., (*Asst.*) *Phys.*
Lulu Graves, B. ED. (*Asst.*) *Dom. Econ.*
G. T. Guthrie, B. S. A., (*Asst.*) *Dairying.*
H. S. Murphy, D. V. M., (*Asst.*) *Vet. Med.*
H. E. Bemis, B. S., D. V. M., (*Asst.*) *Vet. Med., Surgery.*
Julia R. Vaulx, A. M., (*Asst.*) *Engl.*
Dora G. Tompkins, A. M., (*Asst.*) *Engl.*
J. E. Brindley, A. M., (*Asst.*) *Econ. Sci.*
Harry G. Bell, B. S. A., (*Asst.*) *Farm Crops.*
B. W. Crossley, B. S. A., (*Asst.*) *Farm Crops.*
Ira G. McBeth, M. S. A., (*Asst.*) *Soil Bact.*
Alexander S. Thompson, *Dir. of Music; Piano, Pipe Organ, Voice.*
Mrs. Clara D. Thompson, *V. Dir. of Music; Instr. Voice, Piano, Organ.*
Louise Peters, A. M., *Instr. German, Spanish.*
W. R. Raymond, B. A., *Instr. Engl.*
Laura Taggart, B. S., *Instr. Chem.*
Orin L. Kipp, B. S., *Instr. Chem.*
C. E. Bartholomew, M. S., *Instr. Ent.*
Ethyl Cessna, B. S., *Instr. Hist.*
M. W. Pullen, B. S. IN E. E., *Instr. Phys.*
Mabel Campbell, B. S., *Instr. Dom. Econ.*
Agnes G. Mosher, B. S., *Instr. Math.*
George R. MacMinn, A. B., *Instr. Engl.*
Ingeborg Lommen, A. B., M. L., *Instr. German.*
Lola Stephens, B. S., *Instr. Chem.*
C. V. Gregory, *Instr. Agr. Journalism.*
Roger S. Mackintosh, B. AGR., *Instr. Hort.*
A. N. Chadsey, *Instr. Dairying.*
Anna Fleming, B. S., *Instr. Math.*
Grace I. Norton, B. A., *Instr. German.*
Ward M. Jones, B. C. E., *Instr. Math.*
Marie Zimmerman, A. B., *Instr. German.*
Mrs. Mary P. Fairfield, A. B., *Instr. French.*
Mrs. Daisy A. Arville, A. B., *Instr. Spanish, French.*
Mary M. Morris, PH. B., *Instr. Engl.*
Winifred Tilden, B. A., *Dir. Phys. Culture.*
Estelle D. Fogel, B. A., M. S., *Instr. Bot.*
Carrie Watters, B. A., *Instr. Hist.*
E. W. Hamilton, B. S. A., *Instr. Agr. Engin.*
F. L. Odell, *Instr. Dairying.*
Joseph F. Barker, M. S. A., *Instr. Soils.*
William Kunerth, A. B., *Instr. Phys.*
Helen F. Smith, A. B., *Instr. Math.*
Frederica V. Shattuck, A. B., *Instr. Public Speaking.*
Ruth B. Safford, B. L., *Instr. Engl.*
E. N. Wentworth, M. S. A., *Instr. Animal Husb.*
Chas. L. Mundhenk, *Dir. Band; Instr. Brass Instruments.*
Harriette Kellogg, A. M., *Curator of Herbarium.*
George Mitchell, *Farm Foreman.*
W. A. Lippincott, A. B., *Poultryman.*
C. O. Alexander, B. M. E., *Instr. Agr. Engin.*
Roy E. Smith, B. S. A., *Instr. Soils.*
E. V. Griggs, B. M. E., B. S. IN E. E., *Instr. Math.*
Francis W. Dickey, M. A., *Instr. Econ. and Polit. Sci.*
Lelia Purdy, *Instr. Dom. Econ.*
Archibald Leitch, B. S. A., *Asst in Animal Husb.; Supt. of Dairy Farm.*
J. H. Gordon, B. S. A., *Asst. in Dairy Bact.*
Florence A. Armstrong, PH. B., *Asst. in Engl.*
Jesse McKeen, B. S., *Asst. in Chem.*
Sophie Hargis, B. S., *Asst. in Chem.*
Royal E. Jeffs, M. S. A., *Asst. in Bot.*
Carolyn Grimsby, B. S., *Reference Libr.*
Robina Rae, *Agr. Libr.*
Vera Dixon, B. S., *Asst. Libr.*
D. W. Sylvester, *Asst. in Agr. Engin.*
C. C. Fowler, B. S., *Asst. in Chem.*
Nellie Naylor, B. A., *Asst. in Chem.*
Charles Murray, B. PED., *Asst. in Bact.*
H. E. Ewing, M. A., *Asst. in Zool.*
J. R. Campbell, B. S. A., *Asst. in Bot.*
Henry Ness, B. S. A., M. S., *Asst. in Zool.*
John P. Watson, *Phys. Dir.*
Margaret Forgeus, A. B., *Libr. Cataloguer.*
Mellie M. Smith, *Asst. Libr. Cataloguer.*
George Judisch, *Lect. in Pharm.*
John Reardon, *Gard.*

Agricultural Extension.

Perry G. Holden, M. S., B. PD., *Supt.*
Ashley Van Storm, PH. B., *in charge of Secondary Schools.*
A. H. Snyder, B. S. A., *Soils.*
Ralph K. Bliss, B. S. A., *Animal Husb.*
L. E. Troeger, B. S. A., *Asst. Animal Husb.*

Edith G. Charlton, *Dom. Sci.*
Neale S. Knowles, *Asst. in Dom. Sci.*
G. R. Bliss, B. S. A., *Hort.*
H. F. Luick, B. S. A., *Dairying.*
C. R. Bush, B. S. A., *Dairying.*
J. W. Merrill, *Dairying (Marsh Test).*
E. B. Heaton, *Dairying (Marsh Test).*
William McArthur, *in charge Junior Corn Show Work.*

Iowa Agricultural Experiment Station, *Ames.*

Department of Iowa State College of Agriculture and Mechanic Arts, under the control of the Board of Trustees.

STATION STAFF.

C. F. Curtiss, M. S. A., D. S., *Dir.*
W. J. Kennedy, B. S. A., *V. Dir.; Animal Husb.*
S. A. Beach, B. S. A., M. S., *Hort.*
L. H. Pammel, M. S., PH. D., *Bot.*
H. E. Summers, B. S., *Ent.*
C. H. Stange, D. V. M., *Vet.*
W. H. Stevenson, A. B., B. S. A., *Soils.*
I. G. McBeth, M. S. A., *Expt. in Soil Bact.*
S. L. Jodidi, PH. D., *Expt. in Soils.*
J. B. Davidson, B. S. IN M. E., *Agr. Engin.*
C. A. Scott, B. S. A., *For.*
Martin Mortensen, B. S. A., *Dairying.*
R. E. Buchanan, PH. D., *Bact.*
J. H. Gordon, *Asst. Dairy Bact.*
E. E. Little, M. S. A., *Asst. Hort.*
Laurenz Greene, M. S. A., *Asst. Hort.*
L. C. Burnett,[a] M. S. A., *Asst. in Farm Crops; in charge of Plant Breeding.*
M. L. King, B. M. E., *Expt. in Agr. Engin.*
A. Leitch, B. S. A., *Asst. Animal Husb.*
E. N. Wentworth, M. S. A., *Asst. Animal Husb.*
H. H. Kildee, B. S. A., *Asst. Animal Husb.*
A. A. Wells, B. S., *Asst. Expt. in Soils.*
Harriette Kellogg, A. M., *Asst. Bot.*
Charlotte M. King, *Asst. Bot.*
R. L. Webster, A. B., *Asst. Ent.*
Stella A. Hartzell, A. M., *Asst. Chem.*
B. A. Madson, B. S. A., *Asst. Chem.*
T. J. Maney, *Asst. Chem.*
J. H. Allison, jr., *Asst. in Plant Introduction.*
C. V. Gregory, *Bulletin Editor.*
F. E. Colburn, *Photog.*

KANSAS.

Kansas State Agricultural College, *Manhattan.*

GOVERNING BOARD.

Board of Regents: W. E. Blackburn (*Pres.*), *Anthony;* J. O. Tulloss (*V. Pres.*), *Sedan;* Edwin Taylor, *Edwardsville;* Arthur Capper, *Topeka;* W. A. Harris, *Lawrence;* A. L. Sponsler, *Hutchinson;* H. J. Waters (*Sec. ex officio*), *Manhattan.*

COURSES OF STUDY.

There are thirteen four-year courses of study, viz: Agronomy, animal husbandry, dairy husbandry, poultry husbandry, horticulture and forestry, mechanical engineering, electrical engineering, civil engineering, architecture, printing, domestic science and art, general science (B. S.), and veterinary science (D. V. M.); postgraduate courses; five short courses—domestic science, requiring two terms of twelve weeks; farmers' courses, requiring two winter terms of ten weeks each; summer domestic science course for teachers; six weeks' summer school in agriculture for teachers; a dairy course, two terms of ten weeks each; a one-year preparatory course, and a farmers' week.

BOARD OF INSTRUCTION.

Henry J. Waters, B. S. A., *President.*

John D. Walters, D. A., *Archi. and Draw.*
Julius T. Willard, D. Sc., *Chem.*
Edw. H. Webster, B. AGR., M. S., *Dean Agr.*
Benj. L. Remick, PH. M., *Math.*
Benj. F. Eyer, B. S., *Elect. Engin.*
Herbert F. Roberts, A. B., M. S., *Bot.*
Wm. A. McKeever, A. M., PH. M., *Philos.*
Edmund B. McCormick, S. B. IN M. E., *Dean Mech. Arts; Mech. Engin.; Supt. of Shops.*
Albert Dickens, M. S., *Hort.; Supt of Grounds; State Forester.*
Clark M. Brink, A. M., PH. D., *Dean Sci.; Engl.*

[a] In cooperation with the U. S. Department of Agriculture.

Albert M. Ten Eyck, B. AGR., M. S., *Agron.; Farm Supt.*
Ralph R. Price, A. M., *Hist., Civics.*
Julius E. Kammeyer, A. M., *Econ.*
John V. Cortelyou, A. M., PH. D., *German.*
Olof Valley, B. M., *Music.*
L. E. Conrad, M. S., *Civil Engin.*
Francis S. Schoenleber, M. S. A., D. V. S., M. D., *Vet. Sci.*
Roland J. Kinzer, B. S. A., *Animal Husb.*
Walter E. King, M. A., *Bact.*
T. J. Headlee, PH. D., *Ent.*
Joshua D. Rickman, *Supt. of Print.*
Charles H. Boice, Lieut., U. S. A., *Mil. Sci.*
John C. Kendall, B. S., *Dairy Husb.*
John O. Hamilton, B. S., *Phys.*
Mrs. Mary P. Van Zile, *Dean of Women.*
Marguerite E. Barbour, *Dir. Phys. Training.*
Antonetta Becker, *Supt. Dom. Art.*
Robt. J. Barnett, B. S., (*Asst.*) *Math.*
Jacob Lund, M. S., *Supt. Heat and Power Dept.*
Margaret Butterfield, *Sec.*
Andrey A. Potter, B. S., (*Asst.*) *Mech. Engin.*
R. H. Brown, B. M., B. S., (*Asst.*) *Music.*
Estella Boot, (*Asst.*) *Engl.*
George A. Dean, M. S., (*Asst.*) *Ent.*
Wm. H. Andrews, A. B., (*Asst.*) *Math.*
Robert E. Eastman, M. S. A., (*Asst.*) *For.*
Leland E. Call, B. S. A., (*Asst.*) *Soils.*
Frank G. King, B. S., (*Asst.*) *Animal Husb.*
Wilmer E. Davis, B. S., (*Asst.*) *Bot.*
Ada Rice, B. S., *Instr. Engl.*
Ella Weeks, A. B., *Instr. Draw.*
Daisy Zeininger, B. A., *Instr. Math.*
Leonard W. Goss, D. V. M., *Instr. Vet. Sci.*
Ula M. Dow, B. S., *Instr. Dom. Sci.*
Theo. H. Scheffer, M. A., *Instr. Zool.*
Herbert H. King, M. A., *Instr. Chem.*
John B. Whelan, M. A., *Instr. Chem.*
Gertrude Barnes, *Libr.*
Kate Tinkey, *Asst. Libr.*
Florence Warner, A. B., *Ast. Libr.*
Jessie Gulick, *Asst. Libr.*
Mary Mudge, B. S., *Asst. Libr.*
Wm. L. House, *Foreman Carpenter Shop.*
Louis Wabnitz, *Foreman Mach. Shop.*
Ambrose E. Ridenour, B. S., *Foreman Foundry.*
Earle B. Milliard, *Foreman Blacksm.*
Ina E. Holroyd, B. S., *Asst. in Math. Dept.*
L. E. Chase, *Asst. in Hist. Dept.*
Ina F. Cowles, B. S., *Asst. in Dom. Art.*
Earl N. Rodell, B. S., *Asst. in Print.*
Roy A. Seaton, B. S., *Asst. in Mech. Engin.*
M. Francis Ahearn, M. S., *Asst. in Flor.*
J. C. Cunningham, B. S., *Asst. in Hort.*
Gertrude Stump, B. S., *Asst. in Dom. Art.*
Ethel Bierly, *Asst. in Dom. Art.*
J. T. Parker, *Asst. in Woodwork.*
A. E. White, M. S., *Asst. in Math.*
E. G. Meinzer, M. A., *Asst. in German.*
Burton Rogers, D. V. M., *Asst. in Vet. Sci.*
Clara Willis, *Asst. in Dom. Sci.*
Hugh Oliver, *Asst. in Heat and Power Dept.*
Charlaine Furley, B. A., *Asst. in Engl.*
Jessie Reynolds, A. B., *Asst. in Hist.*
S. W. McGarrah, A. M., *Asst. in Math.*
Madge Kay, S. B., *Asst. in Math.*
C. A. Jackson, B. S., *Asst. in Math.*
Annette Leonard, A. B., *Asst. in Engl.*
Wm. C. Lane, B. S., *Asst. in Elect. Engin.*
Louis H. Beall, A. B., *Asst. in Engl.*
Flora C. Knight, A. B., *Asst. in Engl.*
Grace H. Woodward, *Asst. in Dom. Sci.*
Margaret Mack, *Asst. in Hist. Dept.*
D. O. Stone, B. S., C. E., *Asst. in Civil Engin.*
E. P. Johnston, A. B., *Asst. in Public Speaking.*
Anna Monroe, B. S., *Asst. in Bot.*
Dean H. Rose, A. M., *Asst. in Bot.*
Paul W. Graff, B. S., *Asst. in Bot.*
Kirk H. Logan, B. S., *Asst. in Phys.*
C. A. A. Utt, B. S., *Asst. in Chem.*
Allen G. Phillips, B. S., *Asst. in Poultry Husb.*
A. B. Nystrom, B. S., *Asst. in Dairy Husb.*
A. Miyawaki, M. S., *Asst. in Expt. Dairying.*
J. B. Parker, M. A., *Asst. in Ent.*
Anna Gordon, A. B., *Asst. in Hist.*
Elizabeth Putnam, *Asst. in Draw.*
J. R. Jenness, B. S., *Asst. in Phys.*
Bertha M. Johnston, *Asst. in Dom. Sci.*
Harrison E. Porter, B. S., *Asst. in Math.*
Alexander Edgar, *Herdsman.*
L. D. Bushnell, B. S., *Asst. in Bact.*
R. C. Wiley, B. S., *Asst. in Chem.*
John E. Smith, B. S., *Asst. in Bot.*
K. W. Stouder, D. V. M., *Asst. Vet.*
R. C. Thompson, B. S., *Asst. in Chem.*
Porter J. Newman, B. S., *Asst. in Chem.*
Thomas G. Paterson, B. S. IN AGR., *Asst. in Animal Husb.*
R. H. Wilson, D. V. M., *Asst. in Bact.*
Charles Doryland, B. S., *Asst. in Soils.*
Helen Huse, B. S., *Asst. in Dom. Sci.*
E. F. Kubin, D. V. M., *Surgeon, Vet. Dept.*
Turner R. H. Wright, B. S. IN AGR., *Asst. in Animal Nutrition.*
Annie E. Lindsey, *Asst. in Dom. Sci.*
Bertha Donaldson, *Asst. in Dom. Art.*
L. E. Petty, *Asst. in Math.*
Bertha Bisby, *Asst. in Math. Dept.*
Floyd Howard, *Farm Foreman.*

Farmers' Institutes and Agricultural Extension.

John H. Miller, A. M., *Supt.*
George C. Wheeler, B. S., *Farm Management.*
P. E. Crabtree, *Farm Management.*
C. V. Holsinger, B. S., *Hort.*
C. H. Hinman, B. S., *Dairying.*
W. S. Gearhart, B. S. IN C. E., *Highway Engin.*
Frances Brown, B. S., *Dom. Sci.*
J. E. Brock, B. S., *Sec.*

Kansas Agricultural Experiment Station, *Manhattan.*

Department of Kansas State Agricultural College, under the control of the Board of Regents.

STATION STAFF.

E. H. Webster, B. AGR., M. S., *Dir.*
J. T. Willard, D. SC., *V. Dir.; Chem.*
H. F. Roberts, A. B., M. S., *Bot.*
Albert Dickens, M. S., *Hort.*
A. M. Ten Eyck, B. AGR., M. S., *Agron.*
F. S. Schoenleber, M. S. A., D. V. S., M. D., *Vet.*
R. J. Kinzer, B. S. A., *Animal Husb.*
T. J. Headlee, PH. D., *Ent.*
W. E. King, M. A., *Bact.*
J. C. Kendall, B. S., *Dairy Husb.*
L. E. Call, B. S. A., *Asst. Agron.*
Chas. Doryland, B. S., *Asst. in Soils.*
C. W. Nash, B. S., *Asst. in Crops.*
F. G. King, B. S. IN AGR., *Asst. Animal Husb.*
T. G. Paterson, B. S. IN AGR., *Asst. Animal Husb.*
T. R. H. Wright, B. S. IN AGR., *Asst. Animal Nutrition.*
Alex. Edgar, *Herdsman.*
L. D. Bushnell, B. S., *Asst. Bact.*
R. H. Wilson, D. V. M., *Asst. Bact.*
W. E. Davis, B. S., *Asst. Bot.*
Anna Monroe, B. S., *Asst. Bot.*
D. H. Rose, A. M., *Asst. Bot.*
C. O. Swanson, M. AGR., *Asst. Chem.*
R. C. Thompson, B. S., *Asst. Chem.*
R. C. Wiley, B. S., *Asst. Chem.*
A. Miyawaki, M. S., *Asst. Dairyman.*
A. G. Phillips, B. S. A., *Poultryman.*
W. A. Lamb, *Asst. Poultryman.*
G. A. Dean, M. S., *Asst. Ent.*
T. H. Scheffer, A. M., *Asst. Ent.*
J. B. Parker, M. A., *Asst. Ent.*
Harry P. Evans, B. S. A., *Asst. Ent.*
R. E. Eastman, M. S. A., *Asst. Hort.*
J. C. Cunningham, B. S., *Asst. Hort.*
E. F. Kubin, D. V. M., *Asst. Vet.*
F. M. Hayes, D. V. M., *Asst. Vet.*
Geo. K. Helder, *Asst. Supt. Fort Hays Branch Expt. Sta., Hays.*
J. A. Milham, B. S., *Asst. Animal Husb., Fort Hays Branch Expt. Sta., Hays.*
C. C. Cunningham, B. S., *Asst. Agron., Fort Hays Branch Expt. Sta., Hays.*
A. L. Hallsted,[a] B. S., *Asst. in Dry Farming, Fort Hays Branch Expt. Sta., Hays.*
Hiram R. Reed,[a] B. S., *Supt. Garden City Branch Expt. Sta., Garden City.*

KENTUCKY.

The State University, *Lexington.*

GOVERNING BOARD.

Board of Trustees: Gov. Augustus E. Willson (*ex officio*), *Frankfort;* Lewis T. Edelen,* *Frankfort;* J. G. Crabbe (*Supt. of Public Instr., ex officio*), *Frankfort;* R. C. Stoll,* *Lexington;* Cassius M. Clay, *Paris;* Robt. L. Stout, *Versailles;* R. N. Wathen, *Lebanon;* B. M. Brooks, *Slaughterville;* F. A. Hopkins, *Prestonburg;* Chas. B. Nichols,* *Lexington;* J. K. Patterson* (*ex officio*), *Lexington;* T. Carpenter, *Scottsville;* H. S. Barker, *Louisville;* W. H. Cox, *Maysville;* D. P. Smith, *Cadiz;* C. B. Terrell, *Bedford;* H. Davies, *Kensee;* L. L. Walker, *Lancaster.**

COURSES OF STUDY.

The following four-year courses of study are offered: Agriculture (B. S. Agr.); scientific, industrial chemistry, and domestic science (B. S.); two classical courses (A. B.); mechanical engineering (B. M. E.); civil engineering (B. C. E.): mining engineering (B. E. M.); two courses in education (B. S. Ed. and B. A. Ed., respectively); three-year preparatory course; two-year course and short winter course in agriculture; three-year courses in law, two-year courses in rural and highway engineering, and mining engineering, and a short course for miners.

BOARD OF INSTRUCTION.

James K. Patterson, PH. D., LL. D., *President; Metaphysics, History, and Political Economy.*

James G. White, A. M., *V. Pres.; Math., Astron.*
Clarence W. Matthews, B. S., *Dean of Agr. College; Agr., Hort., Bot.; Sec.*
J. J. Hooper, M. S. A., *Animal Husb.*
Franklin E. Tuttle, PH. D., *Chem.*
Ralph N. Maxson, PH. D., *Chem.*
George Roberts, M. S., *Agron.*
Arthur M. Miller, A. M., *Dean of College of Arts and Sci.; Zool., Ent., Geol.*
Alexander St. Clair MacKenzie, A. M., *Engl., Logic.*

[a] In cooperation with the U. S. Department of Agriculture.

Merry L. Pence, M. S., *Phys.*
Joseph W. Pryor, M. D., *Anat. and Physiol.; Surgeon.*
Alfred C. Zembrod, A. M., *French, German.*
Walter E. Rowe, M. S., M. C. E., *Civil Engin.*
Louis F. Snow, PH. D., *Dean College of Ed.*
J. T. C. Noe, A. M., (*Assoc.*) *Ed.*
Philip W. Corbusier, M. C. E., Lieut., U. S. A., *Mil. Sci.; Comdt.*
Mrs. Florence O. Stout, *Phys. Dir. and Dean of Women.*
W. Walter H. Mustaine, B. S., *Phys. Dir. for Men.*
W. K. Patterson, A. M., *Prin. of Academy.*
C. R. Melcher, A. M., LL. B., (*Assoc.*) *French, German.*
J. M. Davis, B. S., A. M., (*Assoc*) *Math.*
Wm. S. Webb, M. S. (*Asst.*) *Phys.*
Jas. E. Tuthill, PH. D., (*Asst.*) *Hist.; Econ.*
W. J. Carrel, B. S., C. E., (*Asst.*) *Civil Engin.*
Isabella W. Marshall, A. B., *Instr. Dom. Sci.*
Sue D. McCann, M. S., *Instr. Zool., Ent.*
Lloyd C. Daniels, PH. D., *Instr. Chem.*
Elizabeth S. Kinkead, *Lect. on Engl. Lit.*
Alfred H. Gilbert, B. S., *Asst. in Bot. Hort.*
Harry Essex, A. B., *Asst. in Chem.*
Robert C. Terrell, B. C. E., *Asst. in Rural and Highway Engin.*
E. L. Rees, C. E., *Asst. in Math.*
H. H. Downing, B. C. E., *Asst. in Math.*
E. F. Farquhar, A. M., *Asst. in Engl.*
C. R. Egelhoff, A. B., *Asst. in Hist.*
A. G. McGregor, *Asst. in Academy.*
Knox Jamison, B. S., *Asst. in Academy.*
W. S. Hamilton, A. B., *Asst. in Academy.*
E. L. Harrison, A. B., *Asst. in Academy.*
M. R. Schnaitter, B. S., *Asst. in Academy.*
Margaret I. King, A. B., *Registrar.*

Kentucky Agricultural Experiment Station, *Lexington.*

Department of the State University, under the control of the Board of Trustees.

STATION STAFF.

M. A. Scovell,* M. S., PH. D., *Dir.; Chem.*
A. M. Peter, M. S., *Chief Chem.; Head of Chem. Div.*
H. E. Curtis, M. S., *Chief Chem.; Head of Fert. Div.*
Harrison Garman, *Ent., Bot.; Head of Ent. and Bot. Div.*
W. H. Scherffius,[a] M. S., *Agron.; Head of Agr. Div.*
R. M. Allen, A. B., *Head of Food Div.*
J. D. Turner, B. PED., *Head of Feed Div.*
J. O. LaBach, M. S., *Chief Chem.* (*Food Div.*).
Mary L. Didlake, M. S., *Asst. Ent., Bot.*
S. D. Averitt, M. S., *Chem* (*Chem. Div.*).
O. M. Shedd, M. S., *Chem.* (*Chem. Div.*).
George Roberts, B. PED., M. S., *Chem.* (*Fert. Div.*); *Actg. Agron.*
E. C. Vaughn, A. B., *Asst. Ent., Bot.*
E. S. Good, M. S., *Head of Animal Husb. Div.*
J. W. Nutter, *Asst. in Dairying* (*Animal Husb. Div.*).
H. D. Spears, M. S., *Chem.* (*Feed Div.*).
E. F. Worthington, *Farm Supt.*
J. W. McFarlin, B. S., *Insp.*
B. F. Scherffius, B. AGR., *Insp.*
E. J. Kinney, B. S. AGR., *Asst. Ent., Bot.*
T. R. Bryant, B. S. AGR., *Asst. Animal Husb.*
H. C. Woosley,[b] B. AGR., *Special Agt.*
Wm. Rodes, B. S., *Asst. Chem.* (*Fert. Div.*)
W. C. Matthews, A. B., *Artist.*
L. A. Brown, PH. C., PHAR. D., *Chem.* (*Drug Div.*).
John I. Claybrook, *Insp.*

The Kentucky Normal and Industrial Institute for Colored Persons, *Frankfort.*

GOVERNING BOARD.

Board of Trustees: J. G. Crabbe (*Chair.*), *Frankfort;* E. E. Hume, *Frankfort;* J. C. Mastin, *Frankfort;* E. E. Underwood, *Frankfort;* John H. Jackson (*ex officio*), *Frankfort;* M. A. Cassidy, *Lexington.*

COURSES OF STUDY.

The courses of study are ten: Normal, carpentry, agricultural, business, cooking, music, dressmaking, blacksmithing, wheelwrighting, and printing. The school grants State diplomas to normal graduates.

BOARD OF INSTRUCTION.

John H. Jackson, A. M., *President; Pedagogy, Ethics, and History of Education.*

W. H. Clarke, A. M., *Dean and Dir. Dept. Nat. Sci.*
Will M. Jackson, *Steward; Instr. Normal Dept.*
James L. Lawson, *Supt. of Indus.; Dir. of Mech. and Manual Training.*
P. W. L. Jones, A. M., *Prin. of Prep. Dept.*
Lulu L. Coleman, *Libr.; Instr. Normal Dept.*

[a] On leave. [b] Assigned by the U. S. Department of Agriculture.

Ernest E. Reed, *Instr. Prep. and Normal Depts.*
Frankie B. Watkins, *Instr. Prep. Dept.*
A. L. Mebane, *Instr. Sci. Agr.*
Mrs. Addie G. Smith, *Matron; Instr. Cooking.*
John H. Rives, *Instr. Print.*
Lydia M. Miller, *Instr. Sew. and in Prep. Dept.*
Sylvester F. Collins, *Sec. to Pres.; Dir. Business Course.*
Laura Smith, *Dir. Dept. of Music.*

LOUISIANA.

Louisiana State University and Agricultural and Mechanical College, *Baton Rouge.*

GOVERNING BOARD.

Board of Supervisors: Gov. J. Y. Sanders (*ex officio Pres.*), *Baton Rouge;* Henry L. Fuqua* (*V. Pres.*), *Baton Rouge;* S. McC. Lawrason, *St. Francisville;* Hon. T. H. Harris (*ex officio Supt. Public Education*), *Baton Rouge;* Thos. D. Boyd* (*ex officio Pres. State University*), *Baton Rouge;* A. T. Prescott (*Sec.*), *Baton Rouge;* Roger P. Swire (*Treas.*), *Baton Rouge;* H. S. Chenet, *New Orleans;* C. J. Ducote, *Cottonport;* C. C. Davenport, *Merrouge;* George K. Pratt, *New Orleans;* George Hill, *Port Allen;* J. R. Thornton, *Alexandria;* G. H. Clinton, *St. Joseph;* J. W. Sanders, *New Iberia;* Jos. H. Spearing, *Shreveport;* W. M. Lyles, *Leesville.*

COURSES OF STUDY.

In addition to the courses of study in the college of arts and sciences and the teachers' college, there are the three-year course of the school of agriculture, and the four-year course of the college of agriculture; four-year courses in civil engineering, electrical engineering, mechanical engineering, and commerce; and five-year sugar engineering and chemical engineering courses.

BOARD OF INSTRUCTION.

Thomas D. Boyd, A. M., LL. D., *President.*

James W. Nicholson, A. M., LL. D., *Math.*
W. R. Dodson, A. B., B. S., *Agr.*
Edward L. Scott, M. A., *Ancient Lang.; Sec.*
Boykin W. Pegues, B. S., *Civil Engin.*
Wm. A. Read, PH. D., *Engl.*
Charles E. Coates, PH. D., *Chem.*
Ernst A. Bessey, PH. D., *Bot., Bact.*
Thomas W. Atkinson, B. S., C. E., *Phys., Elect. Engin.*
Albert M. Herget, *Mech. Arts, Draw.*
Arthur T. Prescott, M. A., *Polit. Sci.*
Charles H. Stumberg, M. A., *Mod. Lang.*
William H. Dalrymple, M. R. C. V. S., *Vet. Sci.*
L. S. Sorley, Capt., U. S. A., *Mil. Sci. and Tactics; Comdt. of Cadets.*
E. C. McKeag, PH. D., *Civil Law.*
George Tiebout, B. S., *Hort.*
Robt. L. Himes, *Commerce.*
E. W. Kerr, M. E., *Mech. Engin.*
W. B. Clark, *Dir. Music.*
R. L. Henry, J. D., *Common Law.*
R. L. Tullis, LL. B., *Louisiana Jurisprudence.*
Alex. B. Coffey, A. M., *Pedag.*
D. T. Powers, A. M., (*Assoc.*) *Ed.*
Walter L. Fleming, PH. D., *Hist.*
A. G. Reed, PH. D., *Engl. Lit.*
S. T. Sanders, B. A., (*Asst.*) *Math.*
E. L. Jordan, B. S., (*Asst.*) *Animal Husb.*
W. H. Gates, B. A., (*Actg.*) *Zool., Ent.*
V. L. Roy, B. A., *Agr. Ed.*
Charles McVea, M. D., *Surgeon.*
James F. Broussard, A. M., (*Asst.*) *Mod. Lang.*
Hugh M. Blain, PH. D., (*Assoc.*) *Engl.*
A. F. Kidder, B. S., (*Asst.*) *Agron.; Prin. School of Agr.*
J. G. Prichard, *Dir. of Athletics.*
Raoul L. Menville, B. S., *Instr. Chem.*
Linton L. Cooper, B. S., *Instr. Mech. Arts, Draw.*
Max Bernheim, B. S., *Instr. Mech. Engin.*
Wm. O. Scroggs, A. M., *Asst. in Hist. and Econ.*
Mercedes Garig, *Asst. in Engl.*
D. W. Thomas, A. B., *Asst. in Lat.*
B. J. Sandoz, B. S., *Asst. in Sugar Chem.*
D. D. Cline, A. M., *Asst. in Math.*
N. F. Petersen, B. A., *Asst. in Bot.*
A. R. Guell, *Asst. in Spanish.*
S. W. Plauche, B. S., *Asst. in Phys.*
M. G. Osborne, A. B., *Sec.*
Inez Mortland, *Asst. Libr.*

No. 1. Sugar Experiment Station, *Audubon Park, New Orleans.*
No. 2. State Experiment Station, *Baton Rouge.*
No. 3. North Louisiana Experiment Station, *Calhoun.*
No. 4. Rice Experiment Station, *Crowley.*

Department of Louisiana State University and Agricultural and Mechanical College.

GOVERNING BOARD.

State Board of Agriculture and Immigration: Gov. J. Y. Sanders (*Pres. ex officio*), *Baton Rouge;* Henry L. Fuqua (*V. Pres. ex officio*), *Baton Rouge;* Chas. Schuler (*Comr.*

ex officio), *Baton Rouge;* Thos. D. Boyd (*Pres. State Univ. ex officio*), *Baton Rouge;* W. R. Dodson (*Dir. Expt. Stas.*), *Baton Rouge;* J. J. Henderson, *Lagan;* Henry Gerac, *Lafayette;* J. T. Cole, *Monroe;* R. E. Thompson, *Wilson;* J. D. Marks, *Crowley.*

STATION STAFF.

Sugar Experiment Station, *Audubon Park, New Orleans.*

W. R. Dodson, A. B., B. S. (*Baton Rouge*), *Dir.*
H. P. Agee, B. S., *Asst. Dir.; Chem.*
P. A. Yoder, PH. D., *Chem.*
Wm. L. Owen, B. S. A., *Bact.*
W. G. Taggart, B. S., *Asst. Chem.*
R. E. Graham, B. S., *Asst. Chem.*

State Experiment Station, *Baton Rouge.*

W. R. Dodson, A. B., B. S., *Dir.*
S. E. McClendon, B. S., *Asst. Dir.*
W. H. Dalrymple, M. R. C. V. S., *Vet.*
George Tiebout, *Hort.*
Claude W. Edgerton, PH. D., *Plant Path.*
Jas. E. Halligan, B. S., *Chem.*
H. L. Green, B. S., *Asst. Chem.*
A. P. Kerr, B. S., *Asst. Chem.*
Rene Baus, B. S., *Asst. Chem.*
R. G. Fuller, B. S., *Asst. Chem.*
Robt. G. Tillery, B. S., *Asst. Chem.*
G. D. Harris, M. S., M. A., *Geol.*
R. P. Swire, *Treas.*
J. T. Tanner, A. B., *Sec.*
Thos. C. Paulsen, B. S., M. D. C., *Animal Path.*
E. W. Kerr, M. E., *Mech. Engin.*
Victor L. Roy, B. S., *Agr. Ext. Work.*

North Louisiana Experiment Station, *Calhoun.*

W. R. Dodson, A. B., B. S. (*Baton Rouge*), *Dir.*
J. B. Garrett, B. S., *Asst. Dir.*
E. J. Watson, *Hort.*
Ivy Watson, *Farm Mgr.*

Rice Experiment Station, *Crowley.*

W. R. Dodson, A. B., B. S. (*Baton Rouge*), *Dir.*
F. C. Quereau, B. S., *Asst. Dir.*

Southern University and Agricultural and Mechanical College, *New Orleans.*

GOVERNING BOARD.

Board of Trustees: E. A. Carrere (*Pres.*), *806 Perdido st., New Orleans;* C. R. Panter (*Sec. and Treas.*), *2320 Calhoun st., New Orleans;* W. L. Richeson, *4936 Camp st., New Orleans;* Wm. G. Napp, *5000 Prytania st., New Orleans;* L. Robert Rivalde, *Hennen Building, New Orleans;* F. L. Armstrong, *1636 Arabella st., New Orleans;* U. Marinoni, *730 Common st., New Orleans;* A. H. Hanemann, *2816 Grand Route St. John, New Orleans;* Ernest Ducongé *5116 Magazine st., New Orleans;* H. H. Freeman, *5222 Chestnut st., New Orleans;* J. W. Cooke, *Lake Providence;* E. W. Sorrell, *Plaquemine.*

COURSES OF STUDY.

The university is divided into the following departments: College, normal school, high school (college preparatory), grammar school, department of music, and industrial department. In the industrial department there is an agricultural school, a mechanical school, girls' industrial school, school of printing, and a dairy school, the first two having two and four year courses and the last a two-year course.

BOARD OF INSTRUCTION.

H. A. Hill, *President; Mental and Moral Philosophy.*

F. L. St. Martin, *Supt. Agr. Dept.*
E. P. Barrell, *Chem., Phys.*
Wm. F. Winslow, *Engl., Ancient Lang.*
W. J. Nickerson, *Prin. Music Dept.*
Mrs. E. P. Barrell, *Prin. Girls' Indus. Section.*
Mrs. L. M. Martinet, *Math.*
Ernestine M. Theophile, *Asst. in Math.*
Miss A. F. Lewis, *Engl.; Teacher in High School.*
Lillie S. Larkins, *Phys., Geog.*
Miss M. C. Caufield, *El. Sci.*
Mrs. A. T. Getz, *Physiol.*
W. B. Smith, *Hist.*
S. J. Green, *Asst. in Math.*
A. J. Bell, *Asst. in Engl.*

MAINE.

College of Agriculture of the University of Maine, *Orono.*

GOVERNING BOARD.

Board of Trustees: Edw. B. Winslow (*Pres.*), *Portland;* S. P. Mills, *Stonington;* Chas. L. Jones,* *Corinna;* J. A. Roberts,* *Norway;* S. W. Gould,* *Skowhegan;* E. J. Haskell, *Westbrook;* C. J. Dunn (*Treas.*), *Orono;* W. T. Haines, *Waterville;* John M. Oak, *Bangor.*

COURSES OF STUDY.

There are four-year elective courses in classics (B. A.) and general science (B. S.); four-year technical courses in chemistry, veterinary science and bacteriology, pharmacy, agronomy, animal husbandry, poultry husbandry, horticulture, forestry, domestic science, and civil, mechanical, electrical, and chemical engineering (B. S.); a four-year course for teachers in elementary agriculture (B. S.); a three-year course in School of Laws (LL. B.); a two-year course in pharmacy (Ph. C.); two-year school course in agriculture; winter courses in agriculture and dairying of four weeks, followed by a three weeks' course in domestic science and poultry management; correspondence courses in agriculture, and a farmers' week.

BOARD OF INSTRUCTION.

George Emory Fellows, PH. D., L. H. D., LL. D., *President of the University; History.*

Melvin E. Sherwin, M. S., (*Asst.*) *Agron.*
George E. Simmons, M. S., *Agr. Ext. Work.*
Percy A. Campbell, M. S. A., *Animal Indus.*
James R. Dice, B. S., *Instr. Animal Indus.*
Gilman A. Drew, PH. D., *Biol.*
Fremont L. Russell, B. S., V. S., *Bact., Vet. Sci.*
Alice M. Boring, PH. D., *Instr. Biol.*
Mintin A. Chrysler, PH. D., (*Assoc.*) *Bot.*
Harry N. Conser, M. A., M. S., *Instr. Bot.*
Lucius H. Merrill, SC. D., *Biol. and Agr. Chem.*
Ralph H. McKee, PH. D., *Chem.*
Charles W. Easley, PH. D., (*Assoc.*) *Chem.*
Willis F. Washburn, B. S., *Instr. Chem.*
Benjamin E. Kraybill, M. S., *Instr. Chem.*
Robert J. Sprague, PH. D., *Econ., Sociol.*
Roland P. Gray, B. A., *Engl.*
Laura Comstock, (*Asst.*) *Dom. Sci., Home Econ.*
W. A. Brown, B. S. A., (*Asst.*) *Poultry Husb.*
Guy A. Thompson, M. A., (*Asst.*) *Engl.*
Walter E. Prince, M. A., *Instr. Engl.*
George E. Pearson, M. A., *Instr. Engl.*
W. P. Daggett, PH. B., *Public Speaking.*
Gordon E. Tower, B. S., M. F., *For.*
Garrett W. Thompson, PH. D., *German.*
Robert R. Drummond, B. S., *Instr. German.*
Carolyn Colvin, PH. D., *Hist.*
V. R. Gardner, M. S. A., (*Asst.*) *Hort.*
Wintha R. Palmer, B. S., *Instr. Hort.*
James N. Hart, SC. D., C. E., *Math., Astron.*
Trueman L. Hamlin, M. A., (*Asst.*) *Math.*
Sherman D. Chambers, B. S., *Instr. Math.*
Walter E. Wilbur, B. S., *Instr. Math.*
Lowell J. Reed, B. S., *Instr. Math.*
Charles P. Weston, C. E., M. A., *Mech. Draw.*
Archer L. Grover, B. S., *Asst. in Draw.*
Charles A. Varnum, Lieut. Col., U. S. A. (Retired), *Mil. Sci. and Tactics.*
Wallace Craig, PH. D., *Philos.*
James S. Stevens, LL.D., *Phys.*
Leon E. Woodman, M. A., (*Asst.*) *Phys.*
George A. Scott, B. S. IN E. E., *Instr. Phys.*
Ernest C. Drew. B. S., *Instr. Phys.*
Jacob B. Segall, PH. D., *Romance Lang.*
Andrew P. Raggio, PH. D., (*Asst.*) *Romance Lang.*
Ralph K. Jones, B. S., *Libr.*

Maine Agricultural Experiment Station, *Orono.*

Department of the University of Maine, under the control of the Board of Trustees of the University.

STATION STAFF.

Chas. D. Woods, SC. D., *Dir.*
Harry M. Woods, A. B., *Asst. to Dir.*
Ralph K. Jones, *Libr.*
Chas. J. Dunn, *Treas.*
Raymond Pearl, PH. D., *Biol.*
Frank M. Surface, PH. D., *Assoc. Biol.*
Maynie R. Curtis, A. M., *Asst. Biol.*
Walter Anderson, *Poultryman.*
James M. Bartlett, M. S., *Chem.*
Herman H. Hanson, M. S., *Assoc. Chem.*
Jos. F. Merrill, B. S., *Asst. Chem.*
Albert G. Durgin, M. S., *Asst. Chem.*
Edith M. Patch, B. S., *Ent.*
Oskar A. Johannsen, PH. D., *Assoc. Ent.*

Alice W. Averill, *Lab. Asst. in Ent.*
Walter W. Bonns, B. S. A., *Assoc. Hort.*
Warner J. Morse, M. S., *Plant Path.*
Chas. E. Lewis, PH. D., *Assoc. Plant Path.*
John Summers, *Lab. Asst. in Plant Path.*
Royden L. Hammond, *Seed Analyst, Photog.*
Henry A. Millett, *Met. Observer.*
Wellington Sinclair, (*Monmouth*), *Farm Supt.*

MARYLAND.

Maryland Agricultural College, *College Park.*

GOVERNING BOARD.

Board of Trustees: *Ex officio*—Gov. Austin L. Crothers (*Pres.*), *Annapolis;* J. W. Hering, *Westminster;* I. L. Straus, *Baltimore;* Murray Vandiver * (*State Treas.*), *Havre de Grace;* Joseph B. Seth, *Easton;* Hon. James Wilson, *Washington, D. C.;* J. Enos Ray, *Washington, D. C.* Richard S. Hill, *Upper Marlboro;* Chas. H. Stanley, *Laurel;* E. Gittings Merriman, *Cockeysville;* J. Harold Walsh, *Upper Falls;* F. Carroll Goldsborough,* *Easton;* David Seibert,* *Clear Spring;* Robert Crain,* *Baltimore;* Chas. A. Councilman,* *Glyndon;* J. M. Munroe, *Annapolis;* John Hubert, *Baltimore;* W. Lee Cary, *Berlin.*

COURSES OF STUDY.

There are eight four-year courses of study, viz: Agricultural, horticultural, general science, biological, and chemical (B. S.), mechanical engineering (B. S. M. E.), civil engineering (B. S. C. E.), and electrical engineering; two-year courses in agriculture and horticulture; one-year preparatory course, and a ten weeks' winter course in agriculture.

BOARD OF INSTRUCTION.

R. W. Silvester, M. S., LL. D., *President; Mathematics.*

Thomas H. Spence, A. M., *V. Pres.; Lang.*
H. B. McDonnell, B. S., M. D., *Dean of Chem.; State Chem.*
W. T. L. Taliaferro, A. B., *Dean of Agr.*
Henry T. Harrison, A. M., *Prin. of Prep. Dept.;* (*Asst.*) *Math.; Sec. of Faculty.*
James S. Robinson, *Hort. Emeritus.*
Samuel S. Buckley, M. S., D. V. S., *Vet. Sci.*
F. B. Bomberger, B. S., A. M., *Engl., Civics; Libr.*
Charles S. Richardson, A. M., *Oratory,* (*Asst.*) *Engl.; Dir. Phys. Culture.*
J. B. S. Norton, M. S., *Veg. Path., Bot.; State Path.*
T. B. Symons, M. S., *Ent., Zool.; State Ent.*
C. P. Close, M. S., *Hort.; State Hort.*
T. H. Taliaferro, C. E., PH. D., *Civil Engin., Elect. Engin., Phys.*
Edgar T. Conley, Capt., U. S. A., *Comdt. of Cadets; Mil Sci.*
Herman Beckenstrater, B. S., (*Assoc.*) *Hort.*
Harry Gwinner, M. E., *Mech. Engin.*
Myron Creese, B. S., E. E., (*Asst.*) *Phys., Elect. Engin.*
Granville Hibberd, B. S. A., (*Asst.*) *Animal Husb.*
H. L. Crisp, (*Asst.*) *Mech. Engin.*
Leonard M. Peairs, M. S., *Instr. Ent., Zool.* (*State Work*).
Alvah J. Norman, B. S. A., *Instr. Veg. Path., Bot.* (*State Work*).
Frederick F. Mason, B. S., M. E., *Instr. Mech. Engin.*
I. V. Stone, B. S., A. M., *Instr. Chem.*
Cornelius Beatty, A. B., *Asst. in Chem.* (*State Work*).
R. B. Deemer, B. S., *Asst. in Chem.* (*State Work*).
F. W. Besley, A. B., M. F., *Lect. on For.; State For.*
Harry Nalley, M. D., *Surgeon.*
Frank R. Kent, *Registrar, Treas.*

Maryland Agricultural Experiment Station, *College Park.*

Department of Maryland Agricultural College, under the control of the Board of Trustees.

STATION STAFF.

Harry J. Patterson, B. S., *Dir.; Chem.*
S. S. Buckley, M. S., D. V. S., *Vet.*
J. B. S. Norton, M. S., *Bot., Path.*
T. B. Symons, M. S., *Ent.* (*State Work*).
C. P. Close, M. S., *Hort.*
Nickolas Schmitz, B. S., *Agron.*
Geo. E. Gage, PH. D., *Assoc. Biol.* (*Poultry Invest.*).
E. H. Brinkley, *Farm Supt.*
Thos. H. White, *Gard.*
A. B. Gahan, M. S., *Asst. Ent.*
W. R. Ballard, B. S., *Asst. Hort.*

C. L. Opperman, *Assoc. Poultryman.*
L. M. Peairs, M. S., *Asst. Ent.* (*State Work*).
A. J. Norman, B. S. A., *Asst. Bot.* (*State Work*).
A. L. Stabler, B. S., *Asst. Animal Husb.*
L. B. Broughton, B. S., *Asst. Chem.*
J. H. Pritts, *Clerk, Libr.*
F. R. Kent, *Treas.*

Princess Anne Academy for Colored Persons, *Princess Anne.*

GOVERNING BOARD.

Board of Trustees: John F. Goucher (*Pres.*), *Baltimore;* David H. Carroll (*V. Pres.*), *Baltimore;* Jos. Lockerman (*Sec.*), *Baltimore;* Alcaeus Hooper (*Treas.*), *Baltimore;* John H. Nutter, *Middletown, Del.;* Chas. W. Baldwin, *Baltimore;* Alfred R. Shockley, *Philadelphia, Pa.;* Chas. H. Evans, *Baltimore;* Benj. F. Bennett, *Baltimore;* Thos. Ireland Elliott, *Baltimore;* George Simms, *Baltimore;* Stewart H. Brown, *Baltimore;* Henry S. Dulaney, *Baltimore;* Herbert S. Wilson, *Upper Fairmount;* Solomon T. Houston, *Salisbury;* John R. Keene, *Baltimore;* E. Walter Giles, *Baltimore;* John W. Brown, *Baltimore;* N. M. Carroll, *Annapolis;* Luther B. Wilson, *Chattanooga, Tenn.;* M. W. Clair, *Washington, D. C.;* Vaughan S. Collins, *Port Deposit;* Harry B. Dillehunt, *248 Eutaw Place, Baltimore;* Wm. P. Jackson, *Salisbury.*

COURSES OF STUDY.

A two-year grammar course, a four-year academic, a four-year normal, and industrial courses in domestic science, printing, agriculture, carpentry, joinery, blacksmithing, wheelwrighting, and painting are offered.

BOARD OF INSTRUCTION.

Frank Trigg, A. M., *Principal; English and Geography.*

Ellen P. Trigg, *Housekeeping, Laundering.*
Daniel J. Pinkett, *Math.*
Woodard W. Privott, *Blacksm., Wheelwr.*
Hattie L. Lumpkins, *Dom. Sci. and Art.*
L. Angella Turpeau, A. B., *Matron-Preceptress; Engl.*
Crafton C. Reed, *Print.*
George T. Cordery, *Carpentry, Joinery.*
John E. Smith, *Phys. Sci., Agr.*
John H. Jones, *Farm Foreman.*
Henry J. Hitch, *Market Gard.*
Samuel S. Taylor, *Lat., Ed.*
Mamie M. Turner, *Engl., Pract. Ed., Critic Teacher.*

MASSACHUSETTS.

Massachusetts Agricultural College, *Amherst.*

GOVERNING BOARD.

Board of Trustees: Gov. Eben S. Draper (*ex officio Pres.*), *Boston;* K. L. Butterfield* (*ex officio*), *Amherst;* G. H. Martin (*Sec. Board of Education, ex officio*), *Boston;* J. L. Ellsworth* (*Sec. Board of Agr., ex officio Sec.*), *Boston;* N. I. Bowditch, *Framingham;* Wm. Wheeler, *Concord;* A. G. Pollard,* *Lowell;* C. A. Gleason (*V. Pres., Auditor*), *New Braintree;* Frank Gerrett, *Greenfield;* S. C. Damon,* *Kingston, R. I.;* C. H. Preston,* *Danvers;* Davis R. Dewey, *Cambridge;* M. F. Dickinson, *Boston;* Wm. H. Bowker,* *Boston;* G. H. Ellis, *Boston;* E. D. Howe, *Marlboro;* Thos. L. Creeley, *Belmont;* C. E. Ward, *Buckland;* Fred C. Kenney (*Treas.*), *Amherst.*

COURSES OF STUDY.

The collegiate course of study requires four years and leads to the degree of B. S. Graduate courses, short winter courses in dairying, agriculture, horticulture, and floriculture, and a summer school of agriculture are provided.

BOARD OF INSTRUCTION.

Kenyon L. Butterfield, A. M., *President; Rural Sociology.*

George F. Mills, M. A., *Dean; Head of Div. of Humanities; Lang., Lit.*
Charles H. Fernald, PH. D., *Dir., Graduate School; Zool.*
Wm. P. Brooks,* PH. D., *Lect. on Soil Fert.*
William D. Hurd, B. S., M. AGR., *Dir. of Short Courses.*
Frank A. Waugh, M. S., *Head of Div. of Hort.; Landscape Gard.*
James A. Foord, M. S., *Actg. Head of Div. of Agr.; Farm Administration.*

Charles A. Goessmann, PH. D., LL. D., *Honorary Chem.*
Charles Wellington, PH. D., *Gen. and Agr. Chem.*
James B. Paige, B. S., D. V. S., *Vet. Sci.*
George E. Stone, PH. D., *Bot.*
John E. Ostrander, A. M., C. E., *Math., Civil Engin.*
Henry T. Fernald, PH. D., *Ent.*
George C. Martin, C. E., Capt., U. S. A., *Mil. Sci. and Tactics.*
William R. Hart, A. M., *Agr. Ed.*
Edward A. White, B. S., *Flor.*
Fred C. Sears, M. S., *Pomol.*
Philip B. Hasbrouck, B. S. (*Assoc.*), *Math.* (*Adjunct*) *Physics; Registrar.*
Jos. S. Chamberlain, PH. D., (*Assoc.*) *Chem.*
Fred C. Kenney, *Treas.*
Charles R. Green, B. AGR., *Libr.*
S. Francis Howard, M. S., (*Asst.*) *Chem.*
A. Vincent Osmun, M. S., (*Asst.*) *Bot.*
Clarence E. Gordon, B. S., A. M., (*Asst.*) *Zool.; Curator of Zool. Museum.*
Robert W. Neal, A. M., (*Asst.*) *Engl.*
Percy L. Reynolds, M. D., (*Asst.*) *Phys. Ed. and Hygiene.*
William P. B. Lockwood, B. S. AGR., (*Asst.*) *Dairying.*
E. K. Eyerly, PH. D., (*Asst.*) *Polit. Sci., Lect. on Rural Sociol.*
Robert W. Lyman, B. S., LL. B., *Lect. on Farm Law.*
George N. Holcomb, A. B., S. T. B., *Lect. on Polit. Sci.*
Sidney B. Haskell, B. S., *Instr. Agron.*
Harold F. Tompson, B. S., *Instr. Market Gard.*
Ray L. Gribben, B. S. A., *Instr. Animal Husb.*
Floyd B. Jenks, B. S. A., *Instr. Agr. Ed.*
Edgar L. Ashley, A. M., *Instr. German.*
Anderson A. Mackimmie, A. B., *Instr. French, Spanish.*
C. Robert Duncan, B. S., *Instr. Math., Phys.*
Alex. E. Cance, PH. D., *Instr. Agr. Econ.*
F. B. McKay, *Instr. Engl., Public Speaking.*
Harry M. Jennison, B. S., *Asst. in Bot.*
John Noyes, B. S., *Asst. in Landscape Gard.*
John N. Summers, B. S., *Asst. in Ent.*
Edwin H. Forristall, M. S., *Farm Supt.*
John R. Parker, B. S., *Asst. in Ent.*
Ralph J. Watts, B. S., *Sec. to President.*
Charles H. White, B. S., *Field Agt.*

Massachusetts Agricultural Experiment Station, *Amherst.*

Department of the Massachusetts Agricultural College, under the control of the Board of Trustees.

STATION STAFF.

Wm. P. Brooks,* PH. D., *Dir.; Agr.*
Chas. A. Goessmann, PH. D., LL. D., *Honorary Dir.; Expert Consulting Chem.*
Jos. B. Lindsey, PH. D., *Chem.*
G. E. Stone, PH. D., *Bot., Veg. Path.*
C. H. Fernald, PH. D., *Ent.*
J. B. Paige, B. S., D. V. S., *Vet.*
F. A. Waugh, M. S., *Hort.*
J. E. Ostrander, A. M., C. E., *Met.*
H. T. Fernald, PH. D., *Assoc. Ent.*
Edw. B. Holland, M. S., *Assoc. Chem.* (*Research Div.*).
Henri D. Haskins, B. S., *Chem.* (*Fert. Div.*).
Philip H. Smith, B. S., *Chem.* (*Feed and Dairy Div.*).
F. C. Sears, M. S., *Pomol.*
Henry J. Franklin, PH. D., *Asst. Ent. in charge of Cranberry Substa.*
Erwin S. Fulton, B. S., *First Asst. Agr.*
E. F. Gaskill, B. S., *Second Asst. Agr.*
Lewell S. Walker, B. S., *First Asst. Chem.*
George H. Chapman, B. S., *Asst. Bot.*
J. K. Shaw, B. S. A., M. S., *Asst. Hort.*
J. N. Summers, B. S., *Asst. Ent.*
J. C. Reed, B. S., *Asst. Chem.*
Carl D. Kennedy, B. S., *Asst. Chem.*
F. C. Kenney, *Treas.*
C. R. Green, B. AGR., *Libr.*
James T. Howard, *Insp.*
Roy F. Gaskill, *Asst. in Animal Nutrition.*
Charles M. Damon, *Observer.*

MICHIGAN.

Michigan State Agricultural College, *East Lansing.*

GOVERNING BOARD.

State Board of Agriculture: R. D. Graham (*Pres.*), *Grand Rapids;* A. J. Doherty, *Clare;* I. R. Waterbury, *Highland;* W. H. Wallace, *Bay Port;* Jonathan L. Snyder (*Pres. College, ex officio*), *East Lansing;* A. P. Bliss, *Saginaw;* W. L. Carpenter, *Detroit;* Gov. Fred M. Warner (*ex officio*), *Lansing;* L. L. Wright (*Supt. of Public Instr. ex officio*), *Lansing;* William J. Oberdorffer, *Stephenson;* A. M. Brown (*Sec.*), *East Lansing;* B. F. Davis (*Treas.*), *Lansing.*

COURSES OF STUDY.

There are four four-year courses of study, viz: Agricultural, engineering, forestry, and home economics (B. S.); short courses in general agriculture, poultry culture, cheese making, dairy management, and horticulture; postgraduate and preparatory courses; a college extension reading course; summer courses in forestry, and a four weeks' summer school for teachers of agriculture and domestic science.

BOARD OF INSTRUCTION.

Jonathan L. Snyder, A. M., PH. D., LL. D., *President.*

William J. Beal, PH. D., D. SC., *Bot.*
Herman K. Vedder, C. E., *Civil Engin.*
L. R. Taft, M. S., *Supt. of Farmers' Insts., State Insp. Orchards and Nurseries.*
Walter B. Barrows, B. S., *Zool., Geol., Physiol.; Curator Gen. Mus.*
Frank S. Kedzie, M. S., *Chem.*
Leslie M. Hurt, D. V. M., *Vet. Sci.*
Chas. E. Marshall, PH. D., *Bact., Hyg.*
Robert S. Shaw, B. S. A., *Dean Agr., Vet. Sci., Hort., For.*
G. M. Holley, Lieut., U. S. A., *Mil. Sci. and Tactics; Comdt. of Cadets.*
J. Fred. Baker, M. F., *For.*
Jos. A. Jeffery, B. S., *Soils, Soil Phys., Agron.*
H. J. Eustace, B. S., *Hort.*
Chase Newman, (*Asst.*) *Draw.*
Arthur R. Sawyer, A. B., E. E., *Phys., Elect. Engin.*
Thos. C. Blaisdell, PH. D., *Engl. Lit., Mod. Lang.*
Wilbur O. Hedrick, M. S., *Hist., Polit. Econ.*
Maude Gilchrist, A. M., *Dean of Women's Dept.*
Walter H. French, *Agr. Ed.*
Warren Babcock, B. S., *Math.; Sec. of Faculty.*
Rufus H. Pettit, B. S. AGR., *Ent.*
A. Crosby Anderson, B. S., (*Assoc.*) *Dairy Husb.*
E. Sylvester King, (*Asst.*) *Engl.*
Mrs. Linda E. Landon, *Libr.*
C. L. Brewer, B. S., *Dir. Phys. Culture.*
James B. Dandeno, PH. D., (*Asst.*) *Bot.*
H. S. Reed, B. S. AGR., (*Asst.*) *Chem.*
Jesse J. Myers, B. S., (*Asst.*) *Zool.*
E. H. Ryder, M. A., (*Asst.*) *Hist., Econ.*
Otto Rahn, PH. D., (*Asst.*) *Bact., Hyg.*
Chas. P. Halligan, B. S., (*Asst.*) *Hort.*
F. H. Sanford, B. S., (*Asst.*) *For.*
Arthur J. Clark, A. B., (*Asst.*) *Chem.*
Caroline L. Holt, *Instr. Draw.*
Louise Freyhofer, B. A., *Instr. Music.*
Thomas Gunson, *Instr. Hort.; Supt. of Grounds.*
Norma L. Gilchrist, A. B., *Instr. Engl.*
W. B. Liverance, B. S., *Instr. Dairying.*
Charles Henley, *Clerk to Pres., Editor M. A. C. Record.*
Albert E. Jones, B. A., *Instr. Math.*
Wm. A. Robinson, A. B., S. T. B., *Instr. Engl.*
Victor E. Wilson, M. E., *Instr. Draw. and Design.*
Kate M. Coad, B. S., *Instr. Dom. Art.*
Arthur E. Fish, A. B., *Instr. Engl.*
Ward Giltner, M. S., D. V. M., *Research Asst. in Bact.*
Walter E. Hawkes, A. B., *Instr. Math.*
Herman Hensel, A. B., *Instr. Engl. and German.*
William E. Laycock, *Instr. Phys.*
Shepherd Leffler, A. B., *Instr. Hist.*
Ward H. Parker, B. S., *Instr. Chem.*
Mrs. Lillian L. Peppard, *Instr. Dom. Sci. and Art.*
M. F. Johnson, B. S., *Instr. Math.*
Geo. D. Shafer, PH. D., *Research Asst. in Ent.*
Merrill A. Yothers, B. S., *Instr. Ent.*
Orestes I. Gregg, B. S., *Instr. Hort.*
Pearl McDonald, M. A., *Instr. Dom. Sci.*
Chas. W. Brown, B. S., *Instr. Bact.*
W. L. Lodge, B. S., M. A., *Instr. Phys.*
Mrs. Minnie Hendrick, A. M., *Instr. Hist.*
Leslie N. Cullom, A. M., *Instr. Engl.*
Rose M. Taylor, A. B., *Instr. Bot.*
Geo. A. Brown, B. S., *Instr. Animal Husb.*
Lewis S. Fuller, B. S., *Instr. Math.*
Mabel Long, *Instr. Phys. Culture.*
Helen I. Michaelides, *Instr. French, Engl.*
Hector Macpherson, M. S., *Instr. Econ.*
Margaret B. Dupee, B. S., *Instr. Bot.*
Herbert E. Marsh, B. S., *Instr. Phys.*
Benj. B. Roseboom, jr., B. S., *Instr. Zool.*
Isabel P. Snelgrove, *Instr. Draw.*
Mrs. G. A. Robson, *Instr. Engl., German.*
Carl E. Hopphan, B. S., *Instr. Math.*
E. E. Beighle, B. S., *Instr. Math.*
Stanley E. Crow, B. S., *Instr. Math.*
Lloyd C. Emmons, B. S., *Instr. Math.*
J. E. Robertson, B. S., *Instr. Math.*
Frederick A. Burt, B. S., *Instr. Zool.*
Chas. C. Cobb, B. S., *Instr. Draw.*
C. M. Hargrave, B. S., *Instr. Chem.*
H. L. Kempster, B. S., *Instr. Poultry Husb.*
H. H. Musselman, B. S., *Instr. Farm Mech.*
W. Eugene Sloat, *Instr. Engl.*
C. H. Spurway, B. S., *Instr. Soil Phys.*
Max. L. Tower, B. S., *Instr. Chem.*
Geo. F. Williamson, A. B., *Instr. Engl.*
C. L. Wuebker, A. B., *Instr. Engl., German.*
Roscoe G. Stott, A. B., *Instr. Engl.*
Richard de Zeeuw, PH. D., *Instr. Bot.*
Harold S. Osler, B. S., *Instr. Zool.*
Zae Northrup, B. S., *Asst. in Bact.*
Mary L. Smith, PH. D., *Asst. in Bact.*
Belle Farrand, B. S., *Asst. in Bact.*
Rosemond H. Kedzie, B. S., *Asst. in Dom. Art.*
R. S. Hudson, B. S., *Foreman of College Farm.*
Agnes E. Crumb, *Asst. Libr.*
F. W. Raven, *Field Agt. in charge of Ext. Work.*
O. K. White, B. S., *Field Agt., Hort. Ext. Work.*
A. R. Potts, *Field Agt., Soil and Crop Ext. Work.*

Experiment Station of Michigan State Agricultural College, *East Lansing.*

Department of Michigan State Agricultural College, under the control of the State Board of Agriculture.

STATION STAFF.

Robert S. Shaw, B. S. A., *Dir.*
C. E. Marshall, PH. D., *Sci. and V. Dir.; Bact.*
W. J. Beal, D. Sc., PH. D., *Bot.*
L. R. Taft, M. S., *Consulting Hort.*
R. H. Pettit, B. S. AGR., *Ent.*
A. J. Patten, B. S., *Chem.*
H. J. Eustace, B. S., *Hort.*
J. A. Jeffery, B. S., *Soil Physicist.*
A. M. Brown, A. B., *Sec., Treas.*
L. M. Hurt, D. V. M., *Consulting Vet.*
C. P. Halligan, B. S., *Asst. Hort.*
Otto Rahn, PH. D., *Asst. Bact.*
J. B. Dandeno, PH. D., *Asst. Bot.*
Ward Giltner, M. S., D. V. M., *Research Asst. in Bact.*
Chas. S. Robinson, M. S., *Research Asst. in Chem.*
G. D. Shafer, PH. D., *Research Asst. in Ent.*
A. C. Anderson, B. S., *Asst. Dairy Husb.*
C. W. Brown, B. S., *Asst. Bact.*
F. A. Spragg, M. S., *Asst. in Farm Crops (Plant Breeding).*
Miss Z. Northrup, B. S., *Asst. Bact.*
Mary L. Smith, PH. B., *Asst. Bact.*
M. A. Yothers, B. S., *Asst. Ent.*
Mrs. Linda E. Landon, *Libr.*
Leo M. Geismar, *in charge of Substa., Chatham.*
F. A. Wilken, *in charge of Substa., South Haven.*

MINNESOTA.

College of Agriculture of the University of Minnesota, *St. Anthony Park, St. Paul.*

GOVERNING BOARD.

Board of Regents: John Lind (*Pres.*), *Minneapolis;* Cyrus Northrop (*ex officio*), *Minneapolis;* Gov. A. O. Eberhart (*ex officio*), *St. Paul;* C. G. Schulz (*State Supt. of Public Instr., ex officio*), *St. Peter;* Thomas Wilson, *St. Paul;* A. E. Rice, *Willmar;* B. F. Nelson, *Minneapolis;* Pierce Butler, *St. Paul;* C. A. Smith, *Minneapolis;* S. M. Owen, *Minneapolis;* W. J. Mayo, *Rochester;* H. B. Hovland, *Duluth;* C. D. Decker (*Sec.*), *Minneapolis.*

COURSES OF STUDY.

The college courses require four years for completion and lead to the degrees of B. S. in Agr., B. S. in For., and B. S. in Home Econ. There is also a secondary school of agriculture, with a course requiring three years of six months each for completion, a two-year course in industrial and agricultural education for the preparation of teachers for high schools, a two-year normal course in home economics, a six weeks' summer school of forestry, a special lecture course of four weeks for farmers, a dairy course of four weeks, and a four weeks' school of traction engineering. To secure a dairy certificate the student must have one season's practice in a creamery or cheese factory before and another after his work at the dairy school. A summer school for teachers gives instruction in agricultural subjects.

BOARD OF INSTRUCTION.

The College of Agriculture.

Cyrus Northrop, LL. D., *President of the University.*

A. F. Woods, M. A., *Dean of the College.*
Samuel B. Green, B. S., *Hort., For.*
T. L. Haecker, *Dairy Husb. and Animal Nutrition.*
M. H. Reynolds, B. S., M. D., D. V. M., *Vet. Med. and Surgery.*
Andrew Boss, *Agr. and Animal Husb.*
Frederick L. Washburn, M. A., *Ent.*
Ralph Hoagland, B. S., *Agr. Chem., Soils.*
Edward Sigerfoos, PH. B., LL. B., Capt., U. S. A., *Mil. Sci. and Tactics.*
E. M. Freeman, PH. D., *Veg. Path., Bot.*
John T. Stewart, B. S. IN C. E., *Agr. Engin., Phys.; (Actg.) Farm Mech.*
D. D. Mayne, *Agr. Pedag.; Prin. School of Agr.*
Fannie C. Boutelle, *Dom. Econ.; Preceptress.*
Coates P. Bull, B. AGR., (*Asst.*) *Agr.*
E. G. Cheyney, A. B., (*Asst.*) *For.*
D. A. Guamnitz, M. S. AGR., (*Asst.*) *Animal Husb.*

Robert C. Lansing, M. A., (*Asst.*) *Engl.*
C. C. Lipp, D. V. M., (*Asst.*) *Vet. Med. and Surgery.*
Edward K. Slater, (*Asst.*) *Dairy Husb.*
J. P. Wentling, M. A., (*Asst.*) *For.*
Margaret J. Blair, *Instr. Dom. Art.*
Alvah M. Bull, *Instr. Draw.*
Mary L. Bull, *Instr. Dom. Sci.*
LeRoy Cady, B. S. IN AGR., *Instr. Hort.*
Henrietta Clopath, *Instr. Free-hand Draw.*
Thos. P. Cooper, B. S. IN AGR., *Instr. Agr.*
J. M. Drew, *Registrar; Instr. Blacksm., Poultry.*
J. L. Edmunds, B. S. A., *Instr. Animal Husb.*
Wm. H. Frazier, B. S., *Instr. Soils.*
Geo. P. Grout, B. S., *Instr. Dairy Husb.*
Avis C. Hall, *Instr. Dom. Art.*
W. F. Handschin, *Instr. Animal Husb.*
D. B. Howell, PH. B., *Instr. Animal Nutrition.*
A. R. Kohler, B. S. A., *Instr. Hort.*
May McDonald, B. S., *Instr. Dom. Sci.*
Karl A. Machetanz, B. A., LL. B., *Dir. of Gymnasium, Coach.*
Martha B. Moorhead, M. D., *Lect. in Dom. Sci.*
J. L. Mowry, *Instr. Farm Structures and Farm Mech.*
W. S. Oswald, M. S., *Instr. Bot.*
C. A. Pyle, B. S., D. V. M., *Instr. Vet. Sci.*
H. B. Roe, B. S. IN E., *Instr. Math., Engin.*
A. G. Ruggles, B. S. A., M. A., *Instr. Ent.*
Juniata L. Shepperd, M. A., *Instr. Dom. Sci.*
Anna M. Smith, *Libr.*
J. A. Vye, *Instr. Farm Accts.*
H. B. White, B. S. A., *Instr. Carpentry.*
Grace B. Whitridge, *Instr. Phys. Training.*
A. D. Johnston, *Instr. Blacksm.*
D. J. Lane, *Instr. Poultry.*
Rodney M. West, B. A., *Instr. Agr. Chem.*
Cornelia Kennedy, B. A., *Instr. Agr. Chem.*
Mary Matthews, *Instr. Dom. Art.*
A. C. Arny, B. S. IN AGR., *Asst. in Agr.*

The School of Agriculture.

Cyrus Northrop, LL. D., *President.*

A. F. Woods, M. A., *Dean.*
D. D. Mayne, *Prin.; Practicums.*
J. A. Vye, *Farm Accts.; Sec., Treas.*
J. M. Drew, *Registrar; Instr. Poultry.*
Fannie C. Boutelle, *Preceptress; Social Culture.*
Anna M. Smith, *Libr.*
Andrew Boss, *Agr., Animal Husb.*
J. T. Stewart, B. S. IN C. E., *Agr. Engin., Phys., Farm Structures and Farm Mech.*
T. L. Haecker, *Dairy Husb., Animal Nutrition.*
Margaret J. Blair, *Sew., Household Art.*
Juniata L. Shepperd, M. A., *Cooking, Laundering, Home Econ.*
R. C. Lansing, M. A., *Engl.*
F. L. Washburn, M. A., *Zool., Ent.*
S. B. Green, B. S., *Hort., For.*
E. M. Freeman, PH. D., *Veg. Path., Bot.*
Ralph Hoagland, B. S., *Agr. Chem., Soils.*
M. H. Reynolds, B. S., M. D., D. V. M., *Vet. Sci.*
C. C. Lipp, D. V. M., *Comparative Physiol.*
Edward Sigerfoos, PH. B., LL. B., Capt., U. S. A., *Mil. Sci. and Tactics.*
C. P. Bull, B. AGR., *Asst. in Agr.*
A. D. Wilson, B. S. IN AGR., *Asst. in Agr.*
T. P. Cooper, B. S. IN AGR., *Asst. in Agr.*
R. M. West, B. A., *Asst. in Agr. Chem.*
Agnes Ericson, *Asst. in Agr. Chem.*
Cornelia Kennedy, B. A., *Asst. in Agr. Chem.*
Walter L. Badger, *Asst. in Agr. Chem.*
A. L. Ewing, M. S., *Asst. in Agr. Phys.*
D A. Gaumnitz, M. S. AGR., *Asst. in Animal Husb.*
J. L. Edmunds, B. S. A., *Asst. in Animal Husb.*
W. F. Handschin, *Asst. in Animal Husb.*
A. J. McGuire, B. AGR., *Asst. in Dairying.*
G. P. Grout, B. S., *Asst. in Dairy Husb.*
E. K. Slater, *Asst. in Dairy Husb.*
Avis C. Hall, *Asst. in Sew.*
Greta Smith, *Asst. in Sew.*
Mary L. Bull, *Asst. in Cooking, Laundering.*
May McDonald, B. S., *Asst. in Cooking.*
Estelle Cook, *Asst. in Engl.*
Ethel E. Bush, B. A., *Asst. in Engl.*
A. G. Ruggles, B. S. A., M. A., *Asst. in Ent.*
Alvah M. Bull, *Asst. in Draw., Farm Buildings.*
A. D. Johnston, *Asst. in Blacksm.*
Thomas Sewall, *Asst. in Draw.*
H. B. White, B. S. A., *Asst. in Carpentry.*
J. L. Mowry, *Asst. in Mech. Practicums.*
LeRoy Cady, B. S. IN AGR., *Asst. in Hort.*
E. G. Cheyney, A. B., *Asst. in For.*
A. R. Kohler, B. S. A., *Asst. in Veg. Gard.*
J. P. Wentling, M. A., *Asst. in For.*
W. H. Frazier, B. S., *Asst. in Soils.*
W. L. Oswald, M. S., *Asst. in Agr. Bot.*
A. C. Arny, B. S. IN AGR., *Asst. in Agr.*
C. A. Pyle, B. S., D. V. M., *Asst. in Vet. Sci.*
Grace B. Whitridge, *Phys. Training.*
Karl A. Machetanz, B. A., LL. B., *Hist.; Dir. of Gymnasium.*
D. B. Howell, PH. B., *Math.*
Martha B. Moorhead, M. D., *Lect. in Dom. Hyg.*
Mary L. Coffin, *Music.*
H. B. Roe, B. S. IN E., *Math.*
Gertrude V. Collins, *Asst. in Farm Accts.*

Agricultural Experiment Station of the University of Minnesota, *St. Anthony Park, St. Paul.*

Department of University of Minnesota, under the control of the Board of Regents.

STATION STAFF.

A. F. Woods, M. A., *Dir.*
S. B. Green, B. S., *Hort., For.*
T. L. Haecker, *Dairying, Animal Nutrition.*
M. H. Reynolds, M. D., V. M., *Vet.*
Andrew Boss, *Agr., Animal Husb.*
F. L. Washburn, M. A., *Ent.*
E. M. Freeman, PH. D., *Bot., Veg. Path.*
Ralph Hoagland, B. S., *Agr. Chem., Soils.*
C. C. Lipp, D. V. M., *Asst. Vet.*
C. P. Bull, B. AGR., *Asst. Agr.*
D. A. Gaumnitz, M. S. AGR., *Asst. Animal Husb.*
A. D. Wilson, B. S. IN AGR., *Asst. Agr.; in charge of Farmers' Insts. and Ext. Work.*
T. P. Cooper, B. S. IN AGR., *Asst. Agr.*
LeR. Cady, B. S. IN AGR., *Asst. Hort.*
E. G. Cheyney, A. B., *Asst. For.*
A. G. Ruggles, B. S. A., M. A., *Asst. Ent.*
W. H. Frazier, B. S., *Asst. Chem.*
A. C. Arny, B. S. IN AGR., *Asst. in Agr.*
W. F. Handschin, *Asst. Animal Husb.*
A. R. Kohler, B. S. A., *Asst. Hort.*
J. A. Vye, *Sec.*
R. M. West, B. A., *Asst. Chem.*
Wm. Robertson, B. S., *Supt. Substa., Crookston.*
A. J. McGuire, B. AGR., *Supt. Substa., Grand Rapids.*
Charles Haralson, *Supt. Fruit Breeding Farm, Excelsior.*
Fred Haralson, *Hort. Foreman.*

MISSISSIPPI.

Mississippi Agricultural and Mechanical College, *Agricultural College.*[a]

GOVERNING BOARD.

Board of Trustees: Gov. E. F. Noel (*ex officio Pres.*), *Jackson;* A. J. Moore (*Sec.*), *Agricultural College;* G. R. Edwards (*Treas.*), *Jackson;* P. W. Maer, *Columbus;* T. L. Wainwright, *Stonewall;* A. S. Meharg, *Grenada;* J. C. Bradford, *Biloxi;* W. A. Dickson, *Centerville;* J. N. Powers (*ex officio*), *Jackson;* A. T. Dent, *Macon;* J. W. Norment, *Starkville;* J. C. Hardy (*Pres. of College*), *Agricultural College;* Douglas Robinson, *Sidon;* J. M. Coen, *Mizpah;* R. L. Tucker, *Chulahoma;* Z. D. Davis, *Jackson;* J. M. White, *West Point.*

COURSES OF STUDY.

There are four four-year courses, viz: Agricultural, engineering (including mechanical, electrical, civil, and mining engineering), textile, and industrial pedagogy (B. S.); post-graduate courses, a preparatory course, practical working boys' course, two-year courses in agriculture, mechanical engineering, electrical engineering, and textile industry, respectively, a ten weeks' course in agriculture, short summer courses in agriculture, and a summer school for teachers.

BOARD OF INSTRUCTION.

John C. Hardy, A. M., LL. D., *President.*

Wm. H. Magruder, M. A., LL. D., *V. Pres.; Engl.*
Washington L. Hutchinson, M. S., *Dir. School of Agr.*
Alexander B. McKay, B. S., *Hort.*
John C. Herbert, M. S., *Hist., Civics.*
Wm. F. Hand, PH. D., *Chem.* (*State Chem.*).
Edward R. Lloyd, M. S., *Agr.; in charge of Farmers' Insts. and Ext. Work.*
David C. Hull, M. S., *Indus. Pedag.*
Wm. N. Logan, PH. D., *Geol., Min.*
G. S. Goodale, Capt., U. S. A., *Mil. Sci. and Tactics.*
Josephus S. Moore, M. S., *Dairy Husb.*
R. P. Hibbard, PH. D., *Bact.; Plant Path.*
Peter P. Garner, M. S., *Prin. Prep. Dept.*
Archibald Smith, *Animal Husb.*
Geo. L. Clothier, M. S., M. F., *Bot., For.*
James V. Bowen, PH. B., *Foreign Lang.*
Henry L. Noel, B. S., M. D., *Anat., Physiol.; Surgeon.*
James Lewis, B. S. A., M. D. C., *Vet. Sci.*
J. O. Morgan, PH. D., *Agron.*
R. W. Harned, B. S. AGR., (*Actg.*) *Zool. Ent.*
Fitz-John Weddell, B. S., (*Assoc.*) *Engl.*
Christopher R. Stark, B. S., (*Assoc.*) *Math.*

[a] Telegraph address, *Starkville.* Express and post-office address, *Agricultural College.* Freight address, *A. and M. College Station.*

Jack P. Montgomery, PH. D., (*Assoc.*) *Chem.*
Frank C. Bolton, B. S., (*Assoc.*) *Phys.*
James R. Ricks, M. S., (*Assoc.*) *Agron.*
H. C. Thompson, B. S., (*Asst.*) *Hort.*
F. M. Darnall, B. A., (*Asst.*) *Engl.*
Hugh Critz, B. S., (*Asst.*) *Math.*
James S. Wallace, B. S., *Instr. Math.*
Andrew M. Maxwell, *Instr. Bookkeeping.*
Albert L. Love, B. S., *Instr. Engl.*
Thos. F. Jackson, B. S., *Instr. Prep. Dept.*
F. D. Mellen, A. B., M. S., *Instr. Engl.*
James E. McKell, B. S., *Instr. Prep. Dept.*
Matthew L. Freeman, M. S., *Instr. Draw.*
V. W. Bragg, *Instr. Wood Shop, Manual Training.*
James P. Kerr, *Instr. Poultry Husb.*
Harold L. McGeorge, B. S., *Asst. in Chem.*
Irwin D. Sessums, B. S., *Asst. in Chem.*
Howard S. Chilton. B. S., *Asst. in Chem.*
M. F. Caglon, B. S. A., *Asst. in Chem.*
Marvin Gieger, B. S., PH. B., *Asst. in Chem.*
Wilkinson Stark, B. S., *Asst. in Chem.*
Hugh W. Stallworth, B. S., *Asst. in Chem.*
E. C. McInnis, B. S., *Asst. in Chem.*
Perley B. Monosmith, *Florist.*
T. W. Davis. B. S., *Libr.*
W. W. Routten, *Dir. of Band.*
Chas. I. Bray, M. S., *Dairy Herdsman.*
John C. Kean, *Herdsman Animal Husb. Dept.*

1. **Mississippi Agricultural Experiment Station,** *Agricultural College.*
2. **McNeill Branch Experiment Station,** *McNeill.*
3. **Delta Branch Experiment Station,** *Stoneville.*
4. **Holly Springs Branch Experiment Station,** *Holly Springs.*

Department of Mississippi Agricultural and Mechanical College, under the control of the Board of Trustees.

STATION STAFF.

Mississippi Agricultural Experiment Station, *Agricultural College.*

W. L. Hutchinson, M. S., *Dir.*
J. A. McLean, B. A., B. S. A., *Animal Husb.*
Wm. R. Perkins, M. S., *Agron.*
J. S. Moore, M. S., *Dairy Husb.*
A. B. McKay, B. S., *Hort.*
R. P. Hibbard, PH. D., *Bact., Plant Path.*
G. L. Clothier, M. S., M. F., *For., Bot.*
James Lewis, B. S. A., M. D. C., *Vet.*
J. P. Kerr, *Poultryman.*
R. W. Harned, B. S., AGR., *Ent.*
H. C. Thompson, B. S., *Asst. Hort.*
A. J. Moore, B. S., *Treas.*
H. M. Parker, B. S., *Farm Mgr.*

McNeill Branch Experiment Station, *McNeill.*

W. L. Hutchinson, M. S., *Dir.*
E. B. Ferris, M. S., *Asst. Dir. in charge.*
John Phares, *Foreman of Farm.*

Delta Branch Experiment Station, *Stoneville.*

W. L. Hutchinson, M. S., *Dir.*
J. W. Fox. M. S., *Asst. Dir. in charge.*
W. W. Fox. B. S., *Foreman of Farm.*

Holly Springs Branch Experiment Station, *Holly Springs.*

W. L. Hutchinson, M. S., *Dir.*
C. T. Ames. B. S., *Asst. Dir. in charge.*
T. E. Murphey, *Foreman of Farm.*

Alcorn Agricultural and Mechanical College, *Alcorn.*

GOVERNING BOARD.

Board of Trustees: Gov. E. F. Noel (*Pres. ex officio*), *Jackson;* Hon. Geo. R. Edwards (*Treas. ex officio*), *Jackson;* Jas. McClure (*Sec.*), *Fayette;* J. N. Powers (*State Supt. of Education*), *Jackson;* E. N. Scudder, *Vicksburg;* J. G. Spencer, *Port Gibson;* J. T. Savage, *Jackson;* O. T. Howard, *Insmore;* W. G. Benbrook, *Natchez;* Isaac D. Borders, *Holly Springs;* E. A. Howell, *Canton;* E. J. Adams, *Pass Christian;* T. J. Bailey, *Jackson;* L. S. Hemphill, *Valley Hill;* I. W. Cooper, *Brookhaven.*

COURSES OF STUDY.

The courses of study are as follows: Three-year industrial, four-year scientific (B. S.), two-year preparatory, and three-year primary.

BOARD OF INSTRUCTION.

L. J. Rowan, B. S., *President.*

J. R. Ramsey, B. S., *Math.*
R. A. Gordon, B. S., M. D., *Nat. Sci.*
J. H. Moseley, B. S., *Gen. Hist., Moral Sci., Phys. Geog., Met.*
E. H. Patton, B. S., *Agr.; Farm Supt.*
H. T. Tanner, *Hort., Dairying and Truck Gard.*
J. C. Bullen, PH. B., *Engl.*
J. H. Powell, B. S., (*Asst.*) *Math.*
P. S. Bowles, B. S., (*Asst.*) *Agr.; Dir. Expt. Farm.*
J. T. Hall, B. S., (*Asst.*) *Engl.*
A. D. Snodgrass, *Chaplain;* (*Asst.*) *Nat. Sci.*
Pauline Jackson, *Matron; Laundering.*
Mrs. Sadie H. Miller, *Dom. Sci.*
Alice G. Laws, *Sew.*
James McClure, *Sec., Treas.*
Victoria Whitaker, *Nurse Training.*

MISSOURI.

College of Agriculture and Mechanic Arts of the University of Missouri, *Columbia.*

GOVERNING BOARD.

Board of Curators: J. V. C. Karnes (*Pres.*), *Kansas City;* D. R. Francis (*V. Pres.*), *St. Louis;* J. G. Babb (*Sec.*), *Columbia;* R. B. Price (*Treas.*), *Columbia;* B. H. Bonfoey, *Unionville;* J. C. Parrish,* *Vandalia;* P. E. Burton, *Joplin;* S. L. Baysinger, *Rolla;* C. B. Rollins,* *Columbia;* T. J. Wornall, *Liberty;* Chas. E. Yates,* *Sedalia.*

COURSES OF STUDY.

In the College of Agriculture the four-year courses lead to the degrees of B. S. in agriculture and B. S. in home economics. There is also a winter course in general agriculture extending through two years of fourteen weeks each, a summer school for teachers, and a farmers' week.

BOARD OF INSTRUCTION.

Albert Ross Hill, PH. D., LL. D., *President of the University; Educational Psychology.*

Frederick B. Mumford, M. S., *Dean; Animal Husb.*
Paul Schweitzer, PH. D., LL. D., *Agr. Chem. Emeritus.*
Edward A. Allen, LITT. D., *Engl., Lit.*
John W. Connaway, D. V. S., M. D., *Vet. Sci.*
John C. Whitten, PH. D., *Hort.*
Wm. G. Brown, PH. D., *Chem.*
Curtis F. Marbut, B. S., M. A., *Geol., Soil Survey.*
George Lefevre, PH. D., *Zool.*
Merritt F. Miller, M. S. A., *Agron.*
Oscar M. Stewart, PH. D., *Phys.*
Herschel Tupes, Capt., U. S. A., *Mil. Sci.; Comdt. of Cadets.*
C. H. Eckles, B. AGR., M. S., *Dairy Husb.*
Sidney Calvert, B. S., A. M., *Org. Chem.*
George Reeder,[a] *Dir. Weather Bureau; Climat.*
P. F. Trowbridge, PH. D., *Agr. Chem.*
C. Stuart Gager, PH. D., *Bot.*
Winterton C. Curtis, PH. D., *Zool.*
Walter L. Howard, PH. D., *Hort.*
R. H. Emberson, B. S., *Ext. Work in Rural Schools.*
Edna D. Day, PH. D., (*Asst.*) *in charge of Home Econ.*
R. H. Shaw,[a] B. S., (*Asst.*) *Dairy Husb.*
Geo. M. Reed, PH. D., (*Asst.*) *Bot.*
E. A. Trowbridge, B. S. A., (*Asst.*) *Animal Husb.*
C. A. Willson, B. S., *Instr. Animal Husb.*
Louise Stanley, B. S., M. A., *Instr. Home Econ.*
Harold D. Hughes, M. S. A., *Instr. Agron.*
Lee S. Backus, D. V. M., *Instr. Vet. Sci.*
Chas. K. Francis, PH. B., A. M., *Instr. Agr. Chem.*
W. H. Chandler, M. S., *Asst. in Hort.*
John M. Evvard, M. S., *Asst. in Animal Husb.*
A. E. Perkins,[a] *Asst. in Dairy Husb.*
L. G. Rinkle, B. S., *Asst. in Dairy Husb.*
C. B. Hutchison, B. S. A., *Asst. in Agron.*
Frank H. Demaree, B. S. A., *Asst. in Agron.*
F. W. Woodman, M. S., *Asst. in Agr. Chem.*
W. T. Bovie, A. M., *Asst. in Bot.*
Ralph J. Carr, B. S., *Asst. in Animal Husb.*
Chas. R. Moulton, M. S., *Asst. in Agr. Chem.*
L. D. Haigh, M. S., *Asst. in Agr. Chem.*
R. E. Hundertmark, B. S. A., *Asst. in Dairy Husb.*
Louis O. Kunkel, B. S., *Asst. in Bot.*
C. W. Hetherington, A. B., *Phys. Training.*
Caroline Rumbold, B. L., M. A., *Asst. in Bot.*
H. E. McNatt, B. S. A., *Asst. in Dairy Husb.*
Chas. T. Dearing, B. S. A., *Asst. in Hort.*
Carl A. Schwartze, B. S. A., *Asst. in Bot.*
Jos. B. Latshaw, B. S. A., *Asst. in Vet. Sci.*
E. W. Rusk, B. S. A., *Asst. in Animal Husb.*
Fred S. Putney, *Asst. to Dean.*
Irvin Switzler, *Registrar.*
Arthur Rhys, B. S., *Herdsman.*

[a] In the service of the U. S. Department of Agriculture.

Missouri Agricultural College Experiment Station, *Columbia.*

Department of the College of Agriculture and Mechanic Arts of the University of Missouri, under the control of the Board of Curators.

STATION STAFF.

F. B. Mumford, M. S., *Dir.; Animal Husb.*
Paul Schweitzer, PH. D., LL. D., *Agr. Chem. Emeritus.*
J. C. Whitten, PH. D., *Hort.*
J. W. Connaway, D. V. S., M. D., *Vet.*
C. H. Eckles, B. AGR., M. S., *Dairying.*
M. F. Miller, M. S. A., *Agron.*
C. F. Marbut, B. S., M. A., *Soil Survey.*
Geo. Reeder,[a] *Dir. Weather Bureau.*
P. F. Trowbridge, PH. D., *Chem.*
W. L. Howard, PH. D., *Asst. Hort.*
C. S. Gager, PH. D., *Bot.*
G. M. Reed, PH. D., *Asst. Bot.*
R. H. Shaw,[a] B. S., *Asst. Dairyman.*
W. H. Chandler, M. S., *Asst. Hort.*
E. A. Trowbridge, B. S. A., *Asst. Animal Husb.*
J. M. Evvard, M. S., *Asst. Animal Husb.*
C. A. Willson, B. S., *Asst. Animal Husb.*
A. E. Perkins,[a] B. S., *Asst. Dairy Chem.*
H. D. Hughes, M. S. A., *Asst. Agron.*
L. S. Backus, D. V. M., *Asst. Vet.*
I. G. Rinkle, B. S., *Asst. Dairyman.*
C. R. Moulton, M. S., *Asst. Chem.*
C. B. Hutchison, B. S. A., *Asst. Agron.*
L. D. Haigh, M. S., *Asst. Chem.*
F. W. Woodman, M. S., *Research Asst. Chem.*
C. K. Francis, PH. B., A. M., *Research Asst. Chem.*
Frank H. Demaree, B. S. A., *Asst. Agron.*
W. T. Bovie, A. M., *Asst. Bot.*
R. J. Carr, B. S., *Asst. Animal Husb.*
H. E. McNatt, B. S. A., *Asst. Dairy Husb.*
C. T. Dearing, B. S. A., *Asst. Hort.*
A. A. Jones, B. S. A., *Asst. Agr. Chem.*
E. W. Rusk, B. S. A., *Asst. Animal Husb.*
Arthur Rhys, B. S., *Herdsman.*
John Schnabel, *Gard.*
J. G. Babb, M. A., *Sec.*
R. B. Price, B. S., *Treas.*
F. S. Putney, *Asst. to Dir.*

Missouri State Fruit Experiment Station, *Mountain Grove.*

GOVERNING BOARD.

Trustees: C. B. McAfee (*Pres.*), *Springfield;* Joe Knoerle (*Sec.*), *West Plains;* W. C. Paynter (*Treas.*), *Koshkonong.*

STATION STAFF.

Paul Evans, *Dir.*
F. M. Rolfs, M. S., *Veg. Path.*
E. P. Taylor, B. S., *Ent.*
A. M. Swartwout, *Field Asst.*

Lincoln Institute, *Jefferson City.*

GOVERNING BOARD.

Board of Regents: W. F. Chamberlain (*Pres.*), *Hannibal;* A. Ross Hill (*V. Pres.*), *Columbia;* S. B. Cook (*Treas.*), *Jefferson City;* H. A. Gass (*State Supt. of Public Schools, ex officio*), *Jefferson City;* Thos. S. Mosby, *Jefferson City;* N. C. Burch (*Sec.*), *Jefferson City;* Hugh K. Rea, *Carrollton;* Richard Smith, *Fulton;* E. S. Emery, *Ely.*

COURSES OF STUDY.

This institution has the following departments: College (four-year course leading to degree of B. A.), college preparatory, normal (two and four-year courses), normal preparatory (three years), industrial, agricultural, and domestic. There is also a summer school of seven weeks.

BOARD OF INSTRUCTION.

Benjamin Franklin Allen, A. M., LL. D., *President; Ethics, Psychology.*

Grant S. Murray, A. B., *Phys. Sci.*
Jonas Moten, M. A., *Math.*
C. S. Woodard, B. S. A., *Biol., Agr.*
Mrs. Josephine S. Yates, A. M., *Engl., Draw.*
Mrs. Anna J. Cooper, A. M., *Lat., Greek.*
A. T. Walker, B. S., *Pedag.*
E. W. Houston, A. B., *Asst. in Math.*
Wm. H. Harrison, *Asst. in Engl.*
Carrie M. Carney, *Vocal Music.*
James P. English, *Farm Supt.*
R. Mabel Moorman, *Instr. Dom. Art.*
Sarah A. E. Potts, *Instr. Dom. Sci.*
Mrs. J. R. McDowell, *Matron for Boys.*
Lillian Johnson, *Matron for Girls; in charge of Laundry.*

[a] In the service of the U. S. Department of Agriculture.

MONTANA.

Montana Agricultural College, *Bozeman.*

GOVERNING BOARD.

Executive Board: James M. Hamilton* *(Pres.), Bozeman;* Walter S. Hartman,* *Central Avenue, Bozeman;* J. H. Baker,* *Commercial National Bank, Bozeman;* George Cox *(Sec.-Treas.), Bozeman.*

COURSES OF STUDY.

The following courses of study are given: Four-year courses in civil, electrical, and mechanical engineering, home science, chemistry, biology, history-literature, mathematics-physics, pharmacy, agronomy, animal industry and dairying, horticulture, and forestry, leading to the degree of B. S.; four-year course in art and music; four-year preparatory and three-year agricultural courses; two-year course in pharmacy (Ph. C.); one-year course in household economics, and short winter courses in creamery work (four weeks), dairying, stock judging, and domestic science (one week).

BOARD OF INSTRUCTION.

James M. Hamilton, M. S., *President; Philosophy and Economics.*

Mrs. F. E. Marshall, *Art.*
Wm. F. Brewer, A. M., *Engl., Lat.*
Aaron H. Currier, A. M., *French, German.*
Lilla A. Harkins, M. S., *Dom. Sci.*
Robert A. Cooley, B. S., *Ent.*
Wm. D. Tallman, B. S., *Math.*
Frederick B. Linfield, B. S. A., *Agr.*
Wm. M. Cobleigh, A. M., *Chem.*
Wm. J. Elliott,[a] B. S. A., *Dairying.*
Alfred Atkinson, B. S. A., *Agron.*
O. B. Whipple, B. S., *Hort.*
Robert W. Clark, B. AGR., *Animal Indus.*
Walter J. Taylor, D. V. M., *Vet. Sci.*
F. S. Cooley, B. S., *Dir. of Farmers' Insts.*
Edmund Burke, B. S., *(Asst.) Chem.*
Deane B. Swingle, M. S., *Bot., Bact.*
Chas. S. Dearborn, B. S., *Mech. Arts.*
M. Herrick Spaulding, A. M., *(Asst.) Zool.*
Robert D. Kneale, C. E., *Civil Engin.*
Mary A. Cantwell, *Prin. Prep. Dept.; Instr. Engl., Math.*
Helen R. Brewer, A. B., *Instr. Hist., Lat.*
Edward A. Duddy, A. M., *Public Speaking.*
Florence Ballinger, *Instr. Sew.*
Frank W. Ham, M. S., *Instr. Phys.*
F. C. Snow, B. S., *Asst. in Civil Engin.*
Frieda Bull, M. S., *Asst. in Math.*
Florence Brown, B. S., *Asst. in Dom. Sci.*
Wm. F. Schoppe, B. S. A., *Instr. Poultry Husb.*
H. P. Griffin, B. S. A., *Asst. in Animal Husb.*
H. F. Patterson, B. S. A., *Asst. in Agron.*
Mrs. Edna Gage, *Asst. in Art.*
Mrs. Mary K. Winter, *Libr.*

Montana Agricultural Experiment Station, *Bozeman.*

Department of the Montana Agricultural College, under the control of the Executive Board.

STATION STAFF.

F. B. Linfield, B. S. A., *Dir.*
R. A. Cooley, B. S., *Ent.*
O. B. Whipple, B. S., *Hort.*
W. J. Elliott,[a] B. S. A., *Dairyman.*
Alfred Atkinson, B. S. A., *Agron.*
R. W. Clark, B. AGR., *Animal Indus.*
Edmund Burke, B. S., *Chem.*
D. B. Swingle, M. S., *Bot., Bact.*
W. J. Taylor, D. V. M., *Vet.*
J. B. Nelson, *Supt. Dry Farm Work.*
R. M. Pinckney, B. S., A. M., *Asst. Chem.*
L. F. Gieseker, B. S., *Asst. Agron.*
H. F. Patterson, B. S. A., *Asst. Agron.*
W. W. Spain, B. S., *Asst. Agr. Engin.*
H. E. Morris, B. S., *Asst. Bot.*
H. P. Griffin, B. S. A., *Asst. Animal Indus.*
W. F. Schoppe, B. S. A., *Asst. Poultryman.*
Fritz Knorr,[b] *Supt. Huntley Substa.*
John Stephens,[b] B. S., *Supt. Fergus Co. Substa.*

NEBRASKA.

The College of Agriculture of the University of Nebraska, *Lincoln.*

GOVERNING BOARD.

Regents of the University: Chas. S. Allen *(Pres.), Lincoln;* Wm. G. Whitmore,* *Valley;* Victor G. Lyford,* *Falls City;* Chas. B. Anderson, *Crete;* Jas. S. Dales *(Sec.), Lincoln;* George Coupland, *Elgin;* Frank L. Haller,* *Omaha.*

---

[a] Resigned, to take effect January 1, 1910.
[b] In cooperation with the U. S. Department of Agriculture.

COURSES OF STUDY.

The college courses consist of four general groups—the general agricultural group, the technical agricultural group, the technical forestry group, and the home economics group (B. S.). A three years' vocational course in agriculture and home economics is offered in a secondary school, which is in session for six months each year. A seven weeks' winter course in agriculture is also offered in this school. The teachers' college offers a one-year course in agriculture and in home economics and manual training and a summer school for teachers (six weeks).

BOARD OF INSTRUCTION.[a]

Samuel Avery, PH. D., *Chancellor of the University.*

Edgar A. Burnett, B. S., *Dean College of Agr.*
Charles E. Bessey, PH. D., LL. D., *Head Dean in Univ.; Head Bot.*
Lawrence Bruner, B. S., *Head Ent.; Actg. State Ent.*
A. T. Peters,[b] D. V. M., *Head Animal Path.*
Albert E. Davisson, A. B., *Prin. School of Agr., Head Agr. Ed.*
Howard R. Smith, B. S., *Head Animal Husb.*
Archibald L. Haecker, B. S. A., *Head Dairy Husb.*
Fredk. J. Alway, PH. D., *Head Agr. Chem.*
Rollins A. Emerson, B. S., *Hort.*
Rosa Bouton, A. M., *Home Econ.*
Frank J. Phillips, M. S. F., *For.*
Edwin M. Wilcox, PH. D., *Agr. Bot.*
Leon W. Chase, B. S., *Farm Mech.*
Edward G. Montgomery, A. M., *Expt. Agron.*
Halsey E. Yates, Capt., U. S. A., *Mil. Sci.; Comdt. of Cadets.*
Charles W. Pugsley, B. S., *Instructional Agron. and Farm Management.*
Geo. E. Condra, PH. D., *Geog., Econ. Geol.*
James H. Gain, M. D. C., (*Assoc.*) *Animal Path.*
Val Keyser, B. S., *Supt. of Farmers' Insts.*
Annette E. Philbrick,[c] B. S., (*Assoc.*) *Home Econ.*
Harriet Folger, B. S., (*Assoc.*) *Home Econ.*
Julia E. Loughridge, A. B., (*Adjunct*) *Math.; Asst. Prin. School of Agr.*
Lazelle B. Sturdevant, A. M., M. D., (*Asst.*) *Animal Path.*
Myron H. Swenk, A. M., (*Adjunct*) *Ent.; Asst. State Ent.*
Vernon V. Westgate, B. S., (*Adjunct*) *Hort.*
Percy B. Barker, A. B., (*Adjunct*) *Soils.*
Ellis Rail, B. S. A., (*Adjunct*) *Animal Husb.*
R. C. Ashby, B. S., (*Adjunct*) *Animal Husb.*
R. F. Howard, B. S. IN AGR., (*Adjunct*) *Hort.*
R. S. Trumbull, A. M., (*Adjunct*) *Agr. Chem.*
W. L. French, B. S. AGR., (*Adjunct*) *Dairying.*
G. Herbert Coons, A. B., (*Adjunct*) *Agr. Bot.*
K. A. Ulmann, B. S., *Instr. Dairy Husb.*
Flora Bullock, A. M., *Instr. Engl.*
Alva A. Baer, *Instr. Woodwork.*
Mary V. Zimmer, A. B., *Instr. Math., Phys.*
Ella B. Harper, A. B., *Instr. Home Econ.*
Grace G. Denny,[c] A. B., *Instr. Home Econ.*
Claude K. Shedd, A. B., *Instr. Farm. Mach.*
Glaideth Denny, A. B., *Asst. in German and Hist.*
Edna C. Noble, B. L., *Asst. Libr.*
Samuel McKelvie, *Lect. on Swine Judging.*
Erwin Hopt, B. S., *Asst. School of Agr.*
Mrs. Vada C. Vennum, *Asst. Registrar, School of Agr.*

Agricultural Experiment Station of Nebraska, *Lincoln.*

Department of the University of Nebraska, under the control of the Board of Regents.

STATION STAFF.

E. A. Burnett,[d] B. S., *Dir.*
H. R. Smith, B. S., *Animal Husb.*
A. T. Peters,[b] D. V. M., *Animal Path.*
E. M. Wilcox, PH. D., *Agr. Bot.*
Frederick J. Alway, PH. D., *Chem.*
A. L. Haecker, B. S. A., *Dairy Husb.*
Lawrence Bruner, B. S., *Ent.*
E. G. Montgomery, A. M., *Expt. Agron.*
F. J. Phillips, M. S. F., *For.*
E. H. Barbour, PH. D., *Geol.*
Geo. R. Chatburn, A. M., *Highway Engin.*
R. A. Emerson, B. S., *Hort.*
O. V. P. Stout, C. E., *Irrig. and Drainage Engin.*

[a] Includes only instructors in subjects directly relating to agriculture. Many other members of the university faculty give instruction to students pursuing the course leading to the degree of B. S.
[b] Resigned, to take effect January 1, 1910.
[c] On leave.
[d] In full charge of North Platte Substation.

Geo. A. Loveland, B. S., LL. B., *Met.*
C. W. Pugsley, B. S., *Agron. and Farm Management.*
J. H. Gain, M. D. C., *Assoc. Animal Path.*
W. P. Snyder, A. B., M. S., *Supt. North Platte Substa.*
W. W. Burr, B. S., *Asst. in Soils and Crops, North Platte Substa.*
R. S. Trumbull, A. M., *Asst. in Agr. Chem.*
P. B. Barker, A. B., *Asst. in Soil Agron.*
M. H. Swenk, A. M., *Asst. Ent.* (*Asst. State Ent.*).
G. H. Coons, A. B., *Asst. Agr. Bot.*
Miss V. W. Pool, B. S., M. A., *Asst. in Agr. Bot.*
R. F. Howard, B. S. A., *Asst. Hort.*
L. B. Sturdevant, A. M., M. D., *Asst. Animal Path.*
Ellis Rail, B. S. A., *Asst. Animal Husb.*
Theo. A. Kiesselbach, A. B., B. S., *Asst. in Expt. Agron.*
Erwin Hopt, B. S., *Asst. in Crops and Hort., North Platte Substa.*
Louise Allen,[a] *Seed Lab. Aid.*
S. W. Perin, *Farm Supt.*
J. S. Dales, PH. M., *Financial Sec.*

NEVADA.

College of Agriculture of the University of Nevada, *Reno.*

GOVERNING BOARD.

Regents of University: John Sunderland, jr.* (*Chair.*), *Reno;* Geo. H. Taylor,* (*Sec.*), *Reno;* C. B. Henderson,* *Elko;* A. A. Codd,* *Goldfield;* J. J. Sullivan,* *Virginia City;* Frank Williams,* *Good Springs.*

COURSES OF STUDY.

The regular course requires four years for completion and leads to the degree of B. S. in Agr. Short courses in agriculture, dairying, and domestic science are given during the months of January, February, and March of each year for the benefit of ranchers. Postgraduate courses and a three-year agricultural course in the university high school are provided.

BOARD OF INSTRUCTION.

Joseph E. Stubbs, M. A., D. D., LL. D., *President of the University, Director of the Experiment Station, and in charge of Farmers' Institutes.*

Herbert W. Hill, B. L., PH. M., *Engl. Lang. and Lit.*
P. B. Kennedy, PH. D., *Bot., Hort., For.*
Henry Thurtell, B. S., *Mech., Math.*
Gordon H. True, B. S., *Agr.; Animal Husb.*
Robert Lewers, *V. Pres.; Polit. Econ., Commerce.*
Horace P. Boardman, B. S. IN C. E., *Civil Engin.* [*Rural*].
Lowe A. McClure, Lieut., U. S. A., *Mil. Sci. and Tactics.*
Samuel B. Doten, B. A., *Ent.*
Peter Frandsen, A. M., *Biol.*
C. A. Jacobson, PH. D., *Agr. Chem.*
Sanford C. Dinsmore, B. S., (*Asst.*) *Agr. Chem.*
Chas. S. Knight, B. S., (*Asst.*) *Agron.*
Kate Bardenwerper, B. S., (*Asst.*) *Dom. Sci.*
Leon W. Hartman, PH. D., *Phys.*
A. C. Gough, B. M. E., *Instr. Mech. Engin.*
Katherine Lewers, (*Asst.*) *Free-Hand Draw.*
Maxwell Adams, PH. D., *Chem.*
Winfred B. Mack, D. V. M., *Bact., Vet. Sci.*
Eliza H. Overman, B. S., *Asst. in Biol.*
Amos A. Heller, A. M., *Asst. in Bot., Hort.*
Jos. D. Layman, B. L., *Libr.*
Alice E. Armstrong, *Asst. Libr.*

Nevada Agricultural Experiment Station, *Reno.*

Department of University of Nevada, under the control of the Board of Regents.

STATION STAFF.

Joseph E. Stubbs, M. A., D. D., LL. D., *Dir.*
P. B. Kennedy, PH. D., *Bot., Hort. For.*
Peter Frandsen,[a] A. M., *Consulting Zool.*
G. H. True, B. S., *Agr., Animal Husb.*
S. B. Doten, B. A., *Ent.*
S. C. Dinsmore, B. S., *Chem.*
James E. Church, PH. D., *Cooperative Observer in Climat. and Met.*
W. B. Mack, D. V. M., *Vet Bact.*
C. A. Jacobson, PH. D., *Chem.*
A. A. Heller, A. M., *Asst. Bot., Hort.*
Theodore W. Clark, *Farm Supt.*
Miles B. Kennedy, B. S., *Asst. Chem.*
Jos. D. Layman, B. L., *Libr.*
Mrs. T. W. Cowgill, M. A., *Asst. Libr.*

[a] In the service of the U. S. Department of Agriculture.

NEW HAMPSHIRE.

New Hampshire College of Agriculture and the Mechanic Arts, *Durham.*

GOVERNING BOARD.

Board of Trustees: Gov. Henry B. Quinby (*ex officio*), *Concord;* W. M. Parker (*Treas.*), *Manchester;* W. D. Gibbs* (*ex officio*), *Durham;* Warren Brown* (*Pres.*), *Hampton Falls;* Lucien Thompson (*Sec.*), *Durham;* John G. Tallant,* *Pembroke;* Walter Drew, *Colebrook;* Richard M. Scammon, *Stratham;* Rosecrans W. Pillsbury, *Londonderry;* Nahum J. Bachelder,* *Andover;* Edward H. Wason,* *Nashua;* George W. Currier, *Nashua;* George H. Bingham, *Manchester;* Richard W. Sulloway, *Franklin.*

COURSES OF STUDY.

There are five four-year courses of study, viz: Agricultural, mechanical engineering, electrical engineering, chemical engineering, and a general course (open to women), all leading to the degree of B. S.; courses of two years, ten weeks and two weeks, each, in agriculture, and a ten weeks' course in dairying.

BOARD OF INSTRUCTION.

William D. Gibbs, D. Sc., *President.*

Chas. H. Pettee, A. M., C. E., *Dean; Math.*
Clarence W. Scott, A. M., *Hist., Polit. Econ.*
Charles L. Parsons, B. S., *Inorg. Chem.*
Frederick W. Taylor, B. S. A., *Agron.*
E. Dwight Sanderson, B. S. A., *Zool., Ent.*
Arthur F. Nesbit, B. S., A. M., *Phys.*
Richard Whoriskey, jr., A. B., *Mod. Lang.*
F. W. Putnam, B. S., *Draw. and Design.*
Charles Brooks, PH. D., *Bot.*
Charles E. Hewitt, B. S., M. M. E., *Elect. Engin.*
Bethel S. Pickett, M. S., *Hort.*
E. R. Groves, A. B., B. D., *Engl., Philos.*
Forrest E. Cardullo, M. E., *Mech. Engin.*
G. W. Edgerly, Lieut., U. S. A., *Mil. Sci. and Tactics.*
Fred Rasmussen, B. S. A., (*Assoc.*) *Dairying.*
T. R. Arkell, B. S. A., (*Assoc.*) *Animal Husb.*
Charles James, F. I. C., (*Asst.*) *Inorg. Chem.*
A. M. Buck, M. E., (*Asst.*) *Elect. Engin.*
John C. McNutt, B. S. A., (*Asst.*) *Animal Husb.*
C. Floyd Jackson, B. S., M. A., (*Asst.*) *Zool.*
F. C. Moore, A. B., (*Asst.*) *Math.*
Frank R. Brown, B. S., *Instr. Mach. Work.*
David L. Randall, PH. D., *Instr. Chem.*
Harry E. Ingham, B. S., *Instr. Wood Work.*
Thomas J. Laton, B. S., *Instr. Draw.*
Evan J. David, A. B., *Instr. Rhet. and Literary Criticism.*
Alban Stewart, A. M., *Instr. Bot.*
David Lumsden, *Asst. in Flor.; Foreman of Grounds.*
T. G. Bunting, B. S. A., *Asst. in Veg. Gard.*
Telesphore Taisne, B. A., B. D., *Asst. in Mod. Lang.*
W. L. Slate, jr., B. S. A., *Asst. in Agron.*
Lester A. Pratt, B. S., *Asst. in Chem.*
Charles W. Stone, A. M., *College Farmer.*
Mabel E. Townsend, A. B., *Registrar.*
Mabel Hodgkins, A. B., *Libr.*
Charlotte A. Thompson, *Asst. Libr.*

New Hampshire College Agricultural Experiment Station, *Durham.*

Department of New Hampshire College of Agriculture and the Mechanic Arts, under the control of the Board of Trustees.

STATION STAFF.

E. Dwight Sanderson, B. S. A., *Dir.; Ent.*
F. W. Taylor, B. S. A., *Agr.*
Fred Rasmussen, B. S. A., *Dairyman.*
Charles Brooks, PH. D., *Bot.*
B. S. Pickett, M. S., *Hort.*
T. R. Arkell, B. S. A., *Animal Husb.*
J. C. McNutt, B. S. A., *Asst. Animal Husb.*
B. E. Curry, M. S., *Assoc. Chem.*
W. C. O'Kane, M. A., *Asst. Ent.*
Alban Stewart, A. M., *Asst. Bot.*
David Lumsden, *Asst. in Flor.*
T. G. Bunting, B. S. A., *Asst. in Veg. Gard.*

NEW JERSEY.

Rutgers Scientific School, the New Jersey College for the Benefit of Agriculture and the Mechanic Arts, *New Brunswick.*

GOVERNING BOARD.

Board of Trustees: Gov. J. F. Fort (*ex officio*), *Trenton;* W. S. Gummere (*Chief Justice of the State*), *Newark;* Edmund Wilson (*Attorney-General*), *Trenton;* W. H. S.

Demarest * (*Pres.*), *New Brunswick;* David Bingham, *East Orange;* T. G. Bergen, *Brooklyn, N. Y.;* Frederick Frelinghuysen, *Newark;* James Neilson,* *New Brunswick;* E. B. Coe, *New York City;* James Le Fevre, *Somerville;* F. J. Collier, *Hudson, N. Y.;* Paul Cook, *Troy, N. Y.;* G. D. W. Vroom, *Trenton;* J. B. Kirkpatrick, *New Brunswick;* W. H. Leupp,* *New Brunswick;* J. P. Searle (*Sec.*), *New Brunswick;* W. F. Wyckoff, *Brooklyn, N. Y.;* J. W. Herbert, jr., *Helmetta;* W. H. Vredenburgh, *Freehold;* F. M. Voorhees, *Elizabeth;* J. I. Vance, *Newark;* W. H. Van Steenbergh, *New York City;* A. T. Clearwater, *Kingston, N. Y.;* L. L. Kellogg, *New York City;* H. N. Fuller, *Albany, N. Y.;* J. R. Duryee, *New York City;* L. H. Schenck,* *Neshanic;* P. M. Brett,* *New York City;* C. L. Edgar, *Boston, Mass.;* W. E. Florance, *New Brunswick;* L. L. Taylor, *Canandaigua, N. Y.;* D. W. Cooper, *New Brunswick;* I. S. Upson (*Treas.*), *New Brunswick.*

COURSES OF STUDY.

There are ten distinct four-year courses of study: Classical (A. B.), Latin scientific (Litt. B.), general science, agriculture, civil engineering, mechanical engineering, electrical engineering, chemistry, biology, and clay working and ceramics (B. S.); a two-year course in clay working and ceramics, and winter courses of twelve weeks each in general agriculture, dairy farming, and fruit growing and market gardening.

BOARD OF INSTRUCTION.

W. H. S. Demarest, A. M., D. D., *President.*

Francis Cuyler Van Dyck, PH. D., *Dean; Phys., Expt. Mech.*
Edward A. Bowser, C. E., LL. D., *Math. and Engin. Emeritus.*
Rev. Charles E. Hart, D. D., *Ethics, Evidences of Christianity Emeritus.*
Austin Scott, PH. D., LL. D., *Hist., Polit. Sci.*
Alfred A. Titsworth, C. E., SC. D., *Graphics, Civil Engin.*
Julius Nelson, PH. D., *Biol.*
Byron D. Halsted, D. SC., *Bot., Hort.*
John B. Smith, D. SC., *Ent.*
Edward B. Voorhees, D. SC., *Agr.; Supt. of College Farm.*
Robert W. Prentiss, M. S., *Math., Astron.*
Eliot R. Payson, PH. D., *Hist., Art of Teaching, (Assoc.) German Lang. and Lit.*
Edward L. Stevenson, PH. D., *Hist.*
Rev. Henry Du Bois Mulford, M. A., D. D., *Engl. Lang. and Lit.*
J. Volney Lewis, B. E., S. B., *Geol., Min.*
Edwin B. Davis, B. L., *Romance Lang.*
Ralph B. Parrott, Capt., U. S. A., *Mil. Sci. and Tactics.*
Irving S. Upson, M. A., *Registrar, Sec. of Faculty.*
Walter R. Newton, PH. D., *German Lang. and Lit.*
M. T. Scudder, A. M., *Science of Ed.*
George H. Payson, D. D., *Ethics, Evidences of Christianity.*
Ralph G. Wright, PH. D., *Chem.*
R. C. H. Heck, M. E., *Mech. Engin.*
Cullen W. Parmelee, B. S., *Clay Working and Ceramics.*
Frank F. Thompson, A. M., E. E., *Elect. Engin.*
Richard Morris, M. S., PH. D., *Math., Graphics.*
William E. Breazeale, M. S., (*Assoc.*) *Math.*
Albert C. de Regt, M. S., (*Assoc.*) *Chem.*
Chas. H. Whitman, PH. D., (*Assoc.*) *Engl.*
Jacob. G. Lipman, PH. D., (*Assoc.*) *Agr.*
Edmond W. Billetdoux, A. M., (*Assoc.*) *Romance Lang.*
Ralph O. Smith, PH. D., (*Assoc.*) *Chem.*
K. C. Davis, PH. D., (*Assoc.*) *Agr.; Prin. School of Agr.*
Edward L. Barbour, B. O., M. E., *Instr. Rhet., Elocution.*
Fred H. Dodge, B. A., *Instr. Phys. Training; Dir. Gymnasium.*
Frank R. Pratt, B. S., *Instr. Phys.*
Frederick C. Minkler, B. S. A., *Instr. Agr.*
Albert R. Johnson, B. S., *Instr. Math., Graphics.*
W. Bertram Twiss, A. M., *Instr. Engl.*
Erik S. Palmer, PH. B., *Instr. Math., Graphics.*

New Jersey Agricultural College Experiment Station, *New Brunswick.*

Department of Rutgers College, under the control of the Board of Trustees.

STATION STAFF.

Edward B. Voorhees, D. SC., *Dir.*
I. S. Upson, M. A., *Chief Clerk.*
Julius Nelson, PH. D., *Biol.*
B. D. Halsted, D. SC., *Bot., Hort.*
B. H. A. Groth, PH. D., *Plant Physiol.*
Earle J. Owen, M. S., *Asst. Hort.*
J. B. Smith, SC. D., *Ent.*
J. G. Lipman, PH. D., *Soil Chem., Bact.*
Percy E. Brown, B. S., *Asst. Chem.*
Irving L. Owen, B. S., *Asst. Chem.*

New Jersey State Agricultural Experiment Station, *New Brunswick.*

At Rutgers College.

GOVERNING BOARD.

Board of Managers: Gov. J. F. Fort, *Trenton;* W. H. S. Demarest, *New Brunswick;* Edward B. Voorhees, *New Brunswick;* Ephraim T. Gill, *Haddonfield;* David D. Denise (*Pres.*), *Freehold;* James Neilson, *New Brunswick;* C. H. Cook, *Trenton;* Ogden Woodruff, *Elizabeth;* Henry Marelli, *Paterson;* George E. De Camp, *Roseland;* Cyrus B. Crane, *Caldwell;* George Dorer, *East Orange;* Jos. B. Ward, *Lyons Farms;* H. A. Gaede, *Hoboken;* Alex. P. Owen, *Mickleton;* A. E. Haines, *Medford;* Frank E. Bate, *Fishing Creek;* Philip Todd, *Peapack;* Albert Richards, *Dover;* C. C. Basley, *Maywood;* Edwin Radford, *223 Pearsall ave., Jersey City;* James McCarthy, *9 Fulton ave., Jersey City;* Emil Bonnet, *162 Newark ave., Jersey City.*

STATION STAFF.

Edward B. Voorhees, D. Sc., *Dir.*
Irving S. Upson, M. A., *Sec., Treas.*
Charles S. Cathcart, M. S., *Chem.*
Vincent J. Carberry, *Asst. Chem.*
Clarence L. Pfersch, B. S., *Asst. Chem.*
Leon A. Congdon, B. S., *Asst. Chem.*
L. H. Williamson, *Sampler and Asst.*
J. B. Smith, D. Sc., *Ent.*
Maurice A. Blake, B. S., *Hort.*
Arthur J. Farley, B. S., *Asst. Hort., Market Gard.*
F. C. Minkler, B. S. A., *Animal Husb.*
Walter W. Shute, *Farm Foreman.*
D. Manley Jobbins, *Greenhouse Asst. in Hort.*
Geo. B. Thrasher, *Field Asst. in Hort.*

NEW MEXICO.

New Mexico College of Agriculture and Mechanic Arts, *Agricultural College.*

GOVERNING BOARD.

Board of Regents: R. E. McBride (*Pres.*), *Las Cruces;* Hiram Hadley, *Las Cruces;* Vincent B. May (*Sec. and Treas.*), *Las Cruces;* George Arnot, *Albuquerque;* W. A. Sutherland, *Las Cruces.* Advisory Members: Gov. George Curry, *Santa Fe;* J. E. Clark (*Supt. Public Instr.*), *Santa Fe.*

COURSES OF STUDY.

There are seven four-year courses of study, viz: Agricultural, mechanical engineering, civil engineering, electrical engineering, household economics, commerce, and a general or scientific course (B. S.); graduate courses, four-year preparatory course; four-year industrial courses in agriculture, mechanics, domestic science, and business; two-year courses in English and English-Spanish stenography.

BOARD OF INSTRUCTION.

W. E. Garrison, Ph. D., *President of the College; Political Economy.*

Luther Foster, M. S. A., *Dean of Agr.*
Clarence T. Hagerty, M. S., *Math., Astron.*
Elmer O. Wooton, B. S., A. M., *Biol., Geol.*
J. D. Tinsley,[a] B. S., *Phys., Soil Phys., Supt. Farmers' Insts. and Cooperative Expts.*
John R. Macarthur, Ph. D., *Engl., Hist.*
R. Fred Hare, M. S., *Chem.*
Fabian Garcia, M. S. A., *Hort.*
J. O. Miller, B. S., *Registrar; Sten., Typew.*
G. E. Lain, M. S., M. A., *Prin. Sten. Dept.*
F. L. Bixby, B. S., *Civil and Irrig. Eng.*
Caroline W. Daniels, A. M., (*Assoc.*) *Engl.; Dean of Women.*
Margaret H. Haggart, B. S., *Household. Econ.*
Merritt L. Hoblit, A. B., *Spanish, Lat.*
John H. Vaughan, A. M., (*Assoc.*) *Hist.*
J. H. Squires, Ph. D., (*Assoc.*) *Agron.*
Chas. P. George, Major, U. S. A. (Retired), *Mil. Sci. and Tactics.*
Singleton R. Mitchell, M. S., (*Asst.*) *Chem.*
Frank Stockton, B. S., (*Asst.*) *Phys.*
H. H. Simpson, B. S., (*Asst.*) *Animal Husb.*
W. F. Schaphorst, B. S., (*Asst.*) *Mech. Engin.*
E. I. Werber, Ph. D., (*Asst.*) *Biol.*
J. A. Anderson, *Asst. Registrar.; Instr. Sten., Typew.*
Lucy M. Lewis, A. B., B. L. S., *Libr.; Asst. in Engl.*
Jesse E. Mundell, B. S. A., *Asst. in Hort.*
J. B. Stoneking, M. E., *Asst. in Irrig.*
R. M. Wilcox, B. E., *Asst. in Engl.*
A. P. Bjerregaard, B. S., *Asst. in Chem.*
F. E. Miller, *Dir. of Music.*
G. E. West, *Asst. in Mech. Engin.*

[a] Resigned, to take effect January 1, 1910.

G. P. Stocker, B. S., *Asst. in Math., Civil Engin.*
Josephine Morton, A. B., *Asst. Libr.*
Mrs. C. P. Phelps, *Asst. in Prep. Dept.*
Fannie Ford, B. S., *Asst. in Prep. Dept.*
F. B. Iles, *Farm Foreman.*
L. W. Iles, *Dairyman.*

Agricultural Experiment Station of New Mexico, *Agricultural College.*

Department of New Mexico College of Agriculture and Mechanic Arts, under the control of the Board of Regents.

STATION STAFF.

Luther Foster, M. S. A., *Dir.*
E. O. Wooton, B. S., A. M., *Bot.*
J. D. Tinsley,[a] B. S., *V. Dir.; Soil Phys., Met.*
Fabian Garcia, B. S., M. S. A., *Hort.*
R. F. Hare, M. S., *Chem.*
J. H. Squires, PH. D., *Agron.*
E. I. Werber, PH. D., *Asst. Bot.*
S. R. Mitchell, M. S., *First Asst. Chem.*
Frank Stockton, B. S., *Asst. in Soil Phys.*
H. H. Simpson, B. S., *Asst. in Animal Husb.*
J. E. Mundell, B. S. A., *Asst. in Hort.*
A. P. Bjerregaard, B. S., *Second Asst. Chem.*
F. L. Bixby, B. S., *Irrig. Engin.*
J. B. Stoneking, M. E., *Asst. in Irrig.*

NEW YORK.

New York Agricultural Experiment Station, *Geneva.*

GOVERNING BOARD.

Board of Control: Thos. B. Wilson (*Pres.*), *Halls Corners;* W. O'Hanlon (*Sec. and Treas.*), *Geneva;* Gov. Charles E. Hughes, *Albany;* Comr. Raymond A. Pearson, *Albany;* Alfred G. Lewis, *Geneva;* Edgar G. Dusenbury, *Portville;* Irving Rouse, *Rochester;* Lyman P. Haviland, *Camden;* L. L. Morrell, *Kinderhook;* Elihu S. Miller, *Wading River.*

STATION STAFF.

Whitman H. Jordan, D. Sc., LL. D., *Dir.*
Geo. W. Churchill, *Agr.; Supt. Labor.*
William P. Wheeler, *Animal Indus.*
H. A. Harding, M. S., *Bact.*
Martin J. Prucha, M. S., *Assoc. Bact.*
James K. Wilson, B. S., *Asst. Bact.*
Fred C. Stewart, M. S., *Bot.*
George T. French,[b] B. S., *Asst. Bot.*
Stockton M. McMurron, *Asst. Bot.*
J. G. Grossenbacher, A. B., PD. B., *Assoc. Bot.*
Lucius L. Van Slyke, PH. D., *Chem.*
A. W. Bosworth, B. S., *Assoc. Chem.*
E. L. Baker, B. S., *Assoc. Chem.*
Morgan P. Sweeney, M. A., *Asst. Chem.*
Arthur W. Clark, B. S., *Asst. Chem.*
Anton R. Rose, B. S., *Asst. Chem.*
Otto McCreary, *Asst. Chem.*
Jas. T. Cusick, B. S., *Asst. Chem.*
George A. Smith, *Dairy Expert.*
Frank H. Hall, B. S., *Editor and Libr.*
Percival J. Parrott, A. M., *Ent.*
Harold E. Hodgkiss, B. S., *Asst. Ent.*
W. J. Schoene,[b] B. AGR., *Asst. Ent.*
Ulysses P. Hedrick, M. S., *Hort.*
Richard Wellington, B. S., *Asst. Hort.*
M. J. Dorsey, B. S., *Asst. Hort.*
W. H. Alderman, B. S. A., *Asst. Hort.*
Orrin M. Taylor, *Foreman in Hort.*
F. A. Sirrine,[c] M. S., *Special Agt.*
F. E. Gladwin, M. A., (*Fredonia*) *in charge Grape Disease Invest.*
Fredk. Z. Hartzell, M. S., (*Fredonia*) *Ent. Invest.*

New York State College of Agriculture at Cornell University, *Ithaca.*

GOVERNING BOARD.

Board of Trustees of the University: *Ex officio*—Jacob Gould Schurman* (*Pres. of Univ.*), *Ithaca;* Governor, Lieutenant-Governor, Speaker of the Assembly, Commissioner of Education, Commissioner of Agriculture, *Albany;* President of State Agricultural Society, *Albany;* Librarian of the Cornell Library, *Ithaca.* Charles E. Cornell, *Ithaca;* Henry B. Lord, *Ithaca;* Andrew D. White, *Ithaca;* Andrew Carnegie, *New York City;* R. H. Treman,* *Ithaca;* Harry L. Taylor, *Buffalo;* Stewart L. Woodford, *18 Wall street, New York City;* Walter C. Kerr, *10 Bridge street, New York City;* Henry R. Ickelheimer, *Box 1854, New York City;* Chas. S. Shepard, *New Haven, N. Y.;* R. B. Williams, *Ithaca;* Mynderse Van Cleef, *Ithaca;* Frank H. Hiscock, *Syracuse;* C. E. Treman, *Ithaca;* Chas. H. Blood, *Ithaca;* Henry W. Sackett, *Tribune Building, New York City;* John H. Barr,

[a] Resigned, to take effect January 1, 1910. [b] On leave. [c] Riverhead, N. Y.

Syracuse; Robert T. Morris, *616 Madison avenue, New York City;* Henry H. Westinghouse, *165 Broadway, New York City;* Geo. C. Boldt, *Waldorf-Astoria, New York City;* William F. Pratt, *Batavia;* Jas. H. Edwards, *42 Broadway, New York City;* J. T. Newman, *Ithaca;* Wm. H. French, *Chicago, Ill.;* Albert H. Sewell, *Walton;* Emerson McMillin, *New York City;* F. C. Stevens, *Attica;* Thos. B. Wilson, *Halls Corners;* A. R. *Eastman, Waterville;* J. N. Carlisle, *Watertown;* Willard Beahan, *43 Lake Shore Building, Chicago, Ill.;* Chas. C. Dickinson, *New York City;* Emmons L. Williams* (*Sec.-Treas.*), *Ithaca;* Charles D. Bostwick (*Asst. Sec.-Treas.*), *Ithaca.*

COURSES OF STUDY.

The college offers a four-year course leading to the degree of bachelor of science in agriculture, a four-year course in home economics, and postgraduate courses leading to advanced degrees. The following opportunities are also offered: General agriculture special work; nature-study special course, two years; winter courses of eleven weeks in agriculture, poultry husbandry, horticulture, dairy industry, and home economics; ten weeks' summer preparatory course; reading courses for farmers and farmers' wives; nature-study correspondence work, and a farmers' week.

BOARD OF INSTRUCTION.

Jacob Gould Schurman, A. M., D. Sc., LL. D., *President of the University.*

Liberty H. Bailey,[a] M. S., LL.D., *Dir. College Agr., Dean Faculty.*
Herbert J. Webber, Ph. D., *Expt. Plant Breeding; Acty. Dir.*
Isaac P. Roberts, M. Agr., *Agr. Emeritus.*
John H. Comstock,* B. S., *Ent. Gen. Invertebrate Zool.*
Henry H. Wing,* M. S. Agr., *Animal Husb.*
John Craig, M. S. Agr., *Hort.*
T. Lyttleton Lyon, Ph. D., *Soil Tech.*
John L. Stone, B. Agr., *Farm Pract.*
James E. Rice, B. S. A., *Poultry Husb.*
Benj. M. Duggar, Ph. D., *Plant Physiol.*
George W. Cavanaugh, B. S., *Agr. Chem.*
George N. Lauman, B. S. A., *Rural Econ.*
Herbert H. Whetzel, A. M., *Plant Path.*
Elmer O. Fippin, B. S. A., *Soil Tech.*
George F. Warren, M. S. A., Ph. D., *Farm Management, Farm Crops.*
William A. Stocking, jr., M. S. A., *Dairy Indus.*
Alexander D. MacGillivray, Ph. D., (*Asst.*) *Ent. and Invertebrate Zool.*
Wm. A. Riley, Ph. D. (*Asst.*) *Ent.*
James G. Needham, Ph. D., (*Asst.*) *Limnology, Gen. Biol.*
Lowell B. Judson, A. B., B. S., (*Asst.*) *Hort.*
Charles S. Wilson, A. B., M. S. A., (*Asst.*) *Pomol.*
Merritt W. Harper, M. S., (*Asst.*) *Animal Husb.*
Bryant Fleming, B. S. A., (*Asst.*) *Rural Art.*
Wm. C. Baker, B. S. A., (*Asst.*) *Draw.*
Chas. H. Tuck, A. B., (*Asst.*) *Ext. Teaching.*
Charles A. Publow, B. A., M. D., (*Asst.*) *Dairy Indus.*
Jas. A. Bizzell, Ph. D., (*Asst.*) *Soil Tech.*
Clarence A. Rogers, M. S. A., (*Asst.*) *Poultry Husb.*
Paul J. White, M. S. A., Ph. D., (*Asst.*) *Farm Crops.*
Glenn W. Herrick, B. S. A., (*Asst.*) *Econ. Ent.*
Howard W. Riley, M. E., (*Asst.*) *Farm Mech.*
Cyrus R. Crosby, A. B., (*Asst.*) *Ent. Invest.*
Harold E. Ross, B. S. A., (*Asst.*) *Dairy Indus.*
Donald Reddick,[b] Ph. D., (*Asst.*) *Plant Path.*
Harry H. Love, Ph. D., (*Asst.*) *Plant Breeding Invest.*
Arthur W. Gilbert, M. S. A., Ph. D., (*Asst.*) *Plant Breeding Invest.*
A. R. Mann, B. S. A., *Sec. College of Agr.*
Chas. F. Clark, M. S. A., Ph. D., *Instr. Plant Breeding Invest.*
Charles C. Hedges, B. A., B. S., *Instr. Agr. Chem.*
Lewis Knudson, B. S. A., *Instr. Plant Physiol.*
George A. Crabb, B. S. A., *Instr. Soil Tech.*
Edward R. Minns, B. S. A., *Instr. Farm Pract.; Asst. Supt. of College Farms.*
Leon D. Batchelor, B. S., *Instr. Hort.*
George W. Tailby, jr., B. S. A., *Instr. Animal Husb.; Stockman.*
E. S. Savage, M. S. A., *Instr. Animal Husb.*
Lewis J. Cross, B. A., *Instr. Agr. Chem.*
E. S. Guthrie, B. S. A., *Instr. Butter Making, Dairy Indus.*
Milton P. Jones, B. S. A., *Instr. Ext. Teaching.*
George E. Burnap, *Instr. Rural Art.*
Kenneth C. Livermore, B. S. A., *Instr. Farm Crops.*
Martin E. Evans, B. S., *Instr. Farm Mech.*
Alice G. McCloskey, B. A., *Lecturer Nature Study.*
Martha Van Rensselaer, A. B., *Supervisor Farmers' Wives' Reading Course; Lect. in Home Econ.*

[a] On leave.
[b] Detailed to State work at Geneva Station during four months in summer.

Mrs. Anna B. Comstock, B. S., *Lect. in Nature Study.*
Wilford M. Wilson,[a] M. D., *Lect. in Met.*
Flora Rose, B. S., M. A., *Lect. in Home Econ.*
John W. Spencer, (*Westfield*) *Agt. in Ext. Work.*
Hugh C. Troy, B. S. A., *Asst. in Dairy Lab.*
Walter W. Hall, *Asst. in Cheese Making.*
W. E. Griffith, *Asst. in Butter Making.*
H. L. Ayres, *Supt. Dairy Manufactures.*
Chas. H. Van Auken, *Asst. in Animal Husb.*
Ada E. Georgia, *Asst. in Nature Study.*
Clara Nixon, *Asst. in Poultry Husb.*
Robert Matheson, M. S. A., *Asst. in Ent.*
Leonard Haseman, A. M., *Asst. in Ent.*
M. M. McCool, B. S. A., *Asst. in Plant Physiol.*
M. F. Barrus, A. B., *Asst. in Plant Path.*
Eugene P. Humbert, M. S. A., *Asst. in Plant Breeding.*
H. J. Conn, PH. B., B. S., *Asst. in Soil Tech.*
Anna C. Stryke, A. B., *Asst. in Ent.*
George W. Tailby, *Foreman of Farms.*
Charles E. Hunn, *Gard.*
Henry Jackson Moore, *Gard. Hort. Dept.*
Walter G. Krum, *Supt. Poultry Dept.*
Huber Shull, B. S., (*Napanock*) *Asst. in Poultry Husb.*
Walter S. Lyon, *Asst. in Poultry Invest.*
Alex. T. Moir, *Asst. in Poultry Husb.*
Lee B. Cook, B. S. A., *Asst. in Dairy Indus.*
F. S. Harris, B. S., *Asst. in Soil Tech.*
E. W. Leland, B. S. A., *Asst. in Soil Tech.*
J. H. Phillips, *Asst. in Soil Tech.*
Andrew J. Lamoureux, *Libr.*
H. W. Teeter, *Supt. Plant Breeding Gard.*

Cornell University Agricultural Experiment Station, *Ithaca.*

Department of New York State College of Agriculture at Cornell University, under the control of the Board of Trustees of Cornell University.

STATION STAFF.

L. H. Bailey,[b] M. S., LL. D., *Dir.*
H. J. Webber, PH. D., *Expt. Plant Breeding; Actg. Dir.*
Albert R. Mann, B. S. A., *Sec. to Dir.*
J. H. Comstock, B. S., *Ent.*
H. H. Wing, M. S. AGR., *Animal Husb.*
John Craig, M. S. AGR., *Hort.*
T. L. Lyon, PH. D., *Soil Invest.*
B. M. Duggar, M. S., PH. D., *Plant Physiol.*
John L. Stone, B. AGR., *Farm Pract.*
J. E. Rice, B. S. A., *Poultry Husb.*
G. W. Cavanaugh, B. S., *Chem.*
E. O. Fippin, B. S. A., *Soils.*
W. A. Stocking, jr., M. S. A., *Dairy Bact.*
H. H. Whetzel, A. M., *Plant Path.*
G. F. Warren, M. S. A., PH. D., *Farm Crops.*
L. B. Judson, A. B., B. S., *Hort.*
C. S. Wilson, A. B., M. S. A., *Pomol.*
M. W. Harper, M. S., *Animal Husb.*
G. W. Herrick, B. S. A., *Agr. Ent.*
J. A. Bizzell, PH. D., *Soil Invest.*
C. A. Publow, B. A., M. D., *Dairy Indus.*
C. R. Crosby, A. B., *Expt. Ent.*
C. A. Rogers, M. S. A., *Poultry Husb.*
P. J. White, M. S. A., PH. D., *Farm Crops.*
A. W. Gilbert, M. S. A., PH. D., *Plant Breeding.*
H. H. Love, PH. D., *Asst. in Plant Breeding.*
Donald Reddick,[c] PH. D., *Plant Path.*
C. F. Clark, M. S. A., PH. D., *Agron.*
E. R. Minns, B. S. A., *Farm Pract.*
G. A. Crabb, B. S. A., *Soils.*
E. S. Guthrie, B. S. A., *Butter Making.*
E. S. Savage, M. S. A., *Animal Husb.*
E. P. Humbert, M. S. A., *Asst. in Plant Breeding.*
H. J. Conn, PH. B., B. S., *Asst. in Soil Invest.*
M. F. Barrus, A. B., *Asst. Plant Path.*
E. W. Leland, B. S. A., *Asst. in Soil Tech.*
J. H. Phillips, *Asst. in Soil Tech.*

NORTH CAROLINA.

The North Carolina College of Agriculture and Mechanic Arts, *West Raleigh.*

GOVERNING BOARD.

Board of Trustees: R. H. Ricks, *Rocky Mount;* W. D. Turner, *Statesville;* O. Max Gardner, *Shelby;* Locke Craig, *Asheville;* C. W. Gold, *Raleigh;* E. M. Koonce, *Jacksonville;* T. W. Blount, *Roper;* D. A. Tompkins, *Charlotte;* J. T. Ellington, *Clayton;* W. E. Daniel, *Weldon;* W. H. Ragan, *High Point;* W. B. Cooper, *Wilmington;* M. B. Stickley, *Concord;* T. T. Ballenger, *Tryon;* N. B. Broughton, *Raleigh;* O. L. Clark, *Clarkton;* Everett Thompson, *Elizabeth City.*

COURSES OF STUDY.

There are seven four-year courses of study, viz: Agricultural (B. S.); civil, mechanical, electrical, and mining engineering, and textile science and art (B. E.), and chemistry and

[a] Detailed by Weather Bureau, U. S. Department of Agriculture.
[b] On leave.
[c] Detailed to State work at Geneva Station during four months in summer.

dyeing (B. S.); graduate courses; one and two year normal courses for industrial teachers; short courses of two years in mechanic arts and textile art; one-year course in agriculture; a seven weeks' winter course in general agriculture and dairying; a one-week cotton course; and a May school (one month) for agricultural teachers.

BOARD OF INSTRUCTION.

Daniel Harvey Hill, A. M., LITT. D., *President.*

William A. Withers, A. M., *Chem.*
Frank L. Stevens, PH. D., *Bot., Veg. Path.*
Clifford L. Newman, M. S., *Agr.*
John Michels, M. S. A., *Animal Husb. and Dairying.*
Guy A. Roberts, B. S., D. V. S., *Vet. Sci.*
Thomas P. Harrison, PH. D., *Engl.*
Robert E. L. Yates, A. M., *Math.*
John S. E. Young, Lieut., U. S. A., *Mil. Sci. and Tactics.*
Ira O. Schaub, B. S., *Agr. Ext.*
William H. Browne, jr., A. B., *Phys.*
Frank C. Reimer, M. S., (*Assoc.*) *Hort.*
Ralph I. Smith, B. S., (*Asst.*) *Ent., Zool.*
George Summey, jr., PH. D., (*Asst.*) *Engl.*
Leon F. Williams, PH. D., (*Asst.*) *Chem.*
John S. Jeffrey, *Instr. Poultry Husb.*
W. M. Lunn, M. S., *Instr. Agr.*
Hubert Hill, M. S., *Instr. Geol.*
Percy L. Gainey, B. AGR., *Instr. Bot., Bact.*
John G. Hall, A. M., *Instr. Veg. Path.*
John A. Arey, B. S., *Instr. Animal Husb.*
Louis R. Detjen, B. S. A., *Instr. Hort.*
Bascombe B. Higgins, B. S., *Instr. Biol.*
Wayne A. Hornaday, B. S., *Instr. Anat. and Physiol.*
Burton J. Ray, PH. D., *Instr. Chem.*
Clarence A. Sprague, B. S., *Instr. Phys.*
Abraham Rudy, A. B., PD. D., *Instr. Mod. Lang.*
R. P. Latane, B. S., *Instr. Phys.*
Wiley T. Clay, B. E., *Instr. Woodworking.*
W. F. Morris, B. E., *Instr. Woodworking.*
L. B. Selby, M. E., *Instr. Draw.*
Michael R. Richardson, M. A., *Instr. Math.*
John W. Harrelson, B. E., *Instr. Math.*
J. Olin Faulkner, B. A., *Instr. Engl.*
Benj. S. Skinner, *Farm Supt.*
Arthur F. Bowen, *Bursar.*
Edwin B. Owen, B. S., *Registrar.*
Henry McK. Tucker, M. D., *Physician.*
Elsie L. Stockard, *Libr.*

North Carolina Agricultural Experiment Station, *West Raleigh.*

Department of North Carolina College of Agriculture and Mechanic Arts, under control of Trustees of the College.

STATION STAFF.

Charles B. Williams, M. S., *Dir.; Agron.*
W. A. Withers, A. M., *Chem.*
F. L. Stevens, PH. D., *Veg. Path.*
J. S. Jeffrey, *Poultryman.*
F. C. Reimer, M. S., *Hort.*
R. S. Curtis, B. S. A., *Animal Husb.*
John Michels, M. S. A., *Dairy Husb.*
R. I. Smith, B. S., *Ent.*
G. A. Roberts, B. S., D. V. S., *Vet.*
J. G. Hall, A. M., *Asst. in Plant Diseases.*
W. C. Etheridge, B. AGR., *Asst. Agron.*
A. R. Russell, *Asst. in Field Expts.*
P. L. Gainey, B. AGR., *Asst. Bact.*
B. J. Ray, PH. D., *Asst. Chem.*
F. W. Sherwood, B. S., *Asst. Chem.*
L. R. Detjen, B. S. A., *Asst. Hort.*
A. F. Bowen, *Bursar.*

Agricultural Experiment Station of the North Carolina State Department of Agriculture, *Raleigh.*

BOARD OF CONTROL.

State Board of Agriculture:[a] W. A. Graham (*Comr. of Agr., ex officio Chair.*), *Raleigh;* H. C. Carter, *Fairfield;* K. W. Barnes, *Lucama;* William Dunn, *New Bern;* Ashley Horne, *Clayton;* R. W. Scott, *Melville;* A. T. McCallum, *Red Springs;* J. P. McRae, *Laurinburg;* William Bledsoe, *Gale;* W. J. Shuford, *Hickory;* A. Cannon, *Horse Shoe.*

STATION STAFF.

B. W. Kilgore, M. S., *Dir.; Farm Crops; State Chem.*
Franklin Sherman, jr., B. S. AGR., *Ent.*
W. N. Hutt, B. S. A., *Hort.*
T. B. Parker, *Demonstration Work and Farmers' Insts.*
H. H. Brimley, *Naturalist, Curator.*
W. M. Allen, *Food Chem.*
W. G. Chrisman, *Vet.*
J. M. Pickel, PH. D., *Asst. Chem.*
W. G. Haywood, B. LITT., *Fert. Chem.*
G. M. MacNider, B. S., *Feed Chem., Microscopist.*
L. L. Brinkley, *Asst. Chem.*
S. O. Perkins, B. S., *Asst. Chem.*
Hampden Hill, B. S., *Asst. Chem.*

[a]All members of the board connected with management of the station.

S. C. Clapp, *Nursery and Orchard Insp.*
S. B. Shaw, B. S., *Asst. Hort.*
Zeno P. Metcalf, B. S., *Asst. Ent.*
J. A. Conover, *Dairyman.*
J. L. Burgess, B. S., *Agron.*
E. L. Worthen, M. S., *Soil Invest.*
W. E. Hearn,[a] *Soil Survey.*
F. P. Drane, *Soil Survey.*
Mary S. Birdsong, *Sec. to Dir.*
R. W. Scott, jr., *Supt. Edgecombe Branch Sta., Rocky Mount.*
F. T. Meacham, *Supt. Iredell Branch Sta., Statesville.*
J. H. Jefferies, *Supt. Pender Branch Sta., Willard.*
R. W. Collett, *Supt. Transylvania Branch Sta., Blantyre, and Buncombe Branch Sta., Black Mountain.*

The Agricultural and Mechanical College for the Colored Race, *Greensboro.*

GOVERNING BOARD.

Board of Trustees: M. C. S. Noble (*Chair.*), *Chapel Hill;* A. T. Whitsett (*Sec. and Treas.*), *Greensboro;* W. R. Williams, *Falkland;* W. R. Newbury, *Magnolia;* J. I. Foust, *Greensboro;* C. M. Hughes, *Fayetteville;* C. C. Cranford, *Ashboro;* W. L. Kluttz, *Salisbury;* M. W. Bell, *Murphy;* W. A. Darden, *Ayden;* J. B. Minor, *Greensboro;* R. W. Morphis, *Reidsville;* C. G. Rose, *Fayetteville;* W. A. Enloe, *Dillsboro;* C. M. Vanstory, *Greensboro;* W. E. Brooks, *Pittsboro.*

COURSES OF STUDY.

The courses of study are: Four-year preparatory, and two four-year collegiate courses—the agricultural leading to the degree of B. Agr. and the mechanical leading to the degree of B. S. A two-year course in agriculture is also given.

BOARD OF INSTRUCTION.

James B. Dudley, A. M., LL. D., *President.*

J. D. Chavis, A. M., D. D., *Asst. in Engl.*
C. E. Stewart, *Asst. in Engl.*
John H. Bluford, B. S., A. M., *Dir. Agr. Dept.*
W. F. Debnam, A. B., *Asst. in Agr.; Farm Mgr.*
Wm. F. Robinson, B. Agr., *Asst. in Agr., Florist.*
Chas. N. McCune, *Dir. Dairy Dept.*
J. Elmer Dellinger, M. D., *College Physician.*
Martin Goins, *Sec., Libr.*

NORTH DAKOTA.

North Dakota Agricultural College, *Agricultural College.*[b]

GOVERNING BOARD.

Board of Trustees: G. H. Hollister (*Pres.*), *Fargo;* J. B. Radford, *Warren;* H. R. Hartman, *Page;* C. W. Kelley, *Devils Lake;* L. A. Ueland, *Edgeley;* Frank Sanford, *Valley City;* R. J. Bowen, *Mohall;* W. A. Yoder (*Sec.*), *Agricultural College;* W. P. Porterfield (*Treas.*), *Fargo.*

COURSES OF STUDY.

Nine four-year courses are provided, each leading to the degree of B. S., viz: Agriculture (with choice of agronomy group, animal husbandry group, or teachers' group), civil engineering, mechanical engineering, pharmaceutical chemistry, household economy, education, veterinary science, biology, and general science. There are also three-year courses in farm husbandry and power machinery; a three-year teachers' course in elementary agriculture and nature study; three-year preparatory and one-year subpreparatory courses; two-year courses in pharmacy and domestic economy; twelve weeks' winter lecture courses in agriculture and steam engineering and in domestic science.

BOARD OF INSTRUCTION.

J. H. Worst, LL. D., *President of the College and Director of the Experiment Station; Political Economy.*

Edwin F. Ladd, B. S., *Dean Chem., Pharm.; Dir. Labs.*
Clarence B. Waldron, B. S., *Hort., For.*
Henry L. Bolley, M. S., *Dean of Biol. Dept.; Bot., Plant Path.*
E. S. Keene, B. S., *Mech. Engin., Phys.*
J. H. Shepperd, M. S. A., *Dean Agr.; Agr.*
H. W. McArdle, B. S., *Math.*
James Ulio, Major, U. S. A., *Mil. Sci. and Tactics.*

[a] Assigned by the Bureau of Soils, U. S. Department of Agriculture.
[b] Freight and express address, *Fargo.*

Lewis Van Es, M. D., V. S., *Vet. Sci.*
Daniel E. Willard, A. M., *Geol.*
W. J. Trimble, PH. D., *Hist. Social Sci.*
A. E. Minard, A. M., *Engl. and Lit.*
Max Batt, PH. D., *Mod. Lang.*
W. B. Richards, B. S. A., *Animal Husb.*
Wm. B. Bell, PH. D., *Zool., Physiol.*
Arland D. Weeks, B. A., *Ed.*
Jessie A. Hoover, B. S., *Home Econ.*
Theo. D. Beckwith, M. S., (*Asst.*) *Bact., Plant Path.*
H. F. Bergman, B. S., (*Asst.*) *Bot.*
Ray C. Doneghue, M. S. A., (*Asst.*) *Agron.*
H. L. White, M. A., (*Asst.*) *Chem.*
G. W. Randlett, B. S. A., (*Asst.*) *Agr.; Supt. Agr. Ext.*
F. C. Householder, A. B., (*Asst.*) *Math.*
Robert M. Dolve, B. S., (*Asst.*) *Farm Mech.*
Geo. A. Abbott, PH. D., (*Asst.*) *Org. Chem.*
Adolph Ziefle, PH. C., B. S., (*Asst.*) *Pharm.*
Omar O. Churchill, B. S., (*Asst.*) *Agron.*
Alfred G. Arvold, B. A., (*Asst.*) *Engl. and Oratory.*
Abbie L. Simmons, PH. B., (*Asst.*) *Engl.*
C. I. Gunness, B. S., (*Asst.*) *Expt. Engin.*
William F. Sudro, B. S., *Instr. Pharmacognosy and Pharm. Problems.*
J. W. Ince, A. M., *Instr. Agr. Chem.*
R. E. Remington, B. A., *Instr. Food Chem.*
Oliver W. Dynes, B. S., *Instr. Animal Husb.*
Serene B. Ash, *Instr. Sew.*
Arthur Rueber, B. A., *Dir. Athletics.*
Hugh J. Hughes, B. S., *Instr. Journalism.*
Irwin W. Smith, A. M., *Instr. Math.*
Haile Chisholm, *Instr. Forge Shop.*
Geo. L. Tibert, *Instr. Wood Shop.*
Edith C. Fowler, B. S., *Instr. Home Econ.*
M. B. Erickson, B. S., *Instr. Steam Engin.*
Mrs. Adele Shepperd, *Asst. in Chem. Lab.*
W. L. Stockham, M. S., *Asst. in Chem. Lab.*
Emily E. May, M. S., *Asst. in Chem.*
Mrs. Ethel McVeety, *Libr.*
Alfred H. Parrott, A. M., *Registrar; Prin. Agr. and Manual Training School.*
W. A. Yoder, *Sec.*
Elizabeth Schryver, *Asst. Libr.*

North Dakota Agricultural Experiment Station, *Agricultural College.*

Department of North Dakota Agricultural College, under the control of the Board of Trustees.

STATION STAFF.

J. H. Worst, LL. D., *Dir.*
E. F. Ladd, B. S., *Chem.*
C. B. Waldron, B. S., *Hort., Ent.*
H. L. Bolley, M. S., *Bot., Plant Path.*
J. H. Shepperd, M. S. A., *V. Dir.; Agr.*
W. B. Bell, PH. D., *Asst. Bot.* (*Plant Survey*).
Lewis Van Es, M. D., V. S., *Vet.*
W. B. Richards, B. S. A., *Asst. Animal Husb.*
O. O. Churchill, B. S., *Asst. in Plant Breeding.*
T. D. Beckwith, M. S., *Asst. Bact. Bot.* (*Plant Path.*).
R. C. Doneghue, M. S. A., *Asst. Agr.* (*Soils*).
H. F. Bergman, B. S., *Asst. Bot.* (*Myc.*).
H. L. White, M. A., *Asst. Chem.* (*Cereals*).
Adolph Ziefle, PH. C., B. S., *Chem.* (*Drugs*).
R. E. Remington, B. A., *Chem.* (*Foods*).
Mrs. Adele Shepperd, *Asst. Chem.* (*Water and Foods*).
W. F. Sudro, B. S., *Asst. Chem.* (*Drugs*).
O. W. Dynes, B. S., *Asst. Poultry Husb.*
R. M. Dolve, B. S., *Asst. Agr. Engin.*
J. W. Ince, A. M., *Asst. Agr. Chem.* (*Soils*).
W. L. Stockham, M. S., *Asst. Chem.*
C. V. Kennedy, *Farm Foreman.*
W. A. Yoder, *Sec.*
Lawrence R. Waldron, M. A., *Supt. Substa., Dickinson.*
O. A. Thompson, P. S., *Supt. Substa., Edgeley.*
E. G. Schollander, B. S., *Supt. Substa., Williston.*
E. D. Stewart, B. S., *Supt. Substa., Langdon.*
Wm. R. Proctor, B. S., *Supt. Demonstration Farms.*

OHIO.

The Colleges of Agriculture and Domestic Science and of Veterinary Medicine, Ohio State University, *Columbus.*

GOVERNING BOARD.

Board of Trustees: Frank E. Pomerene (*Chair.*), *Coshocton;* Oscar T. Corson (*V. Chair.*), *Columbus;* Guy W. Mallon, *Cincinnati;* Carl E. Steeb (*Sec.*), *Columbus;* John T. Mack, *Sandusky;* Oscar E. Bradfute, *Cedarville;* W. J. Sears, *Chillicothe;* Julius F. Stone, *Columbus;* L. F. Sater (*Treas.*), *Columbus.*

COURSES OF STUDY.

The university is divided into seven colleges, as follows: Agriculture and domestic science; arts, philosophy, and science; education; engineering; law; pharmacy; and veterinary medicine.

The college of agriculture and domestic science offers nine distinct courses of study: Four-year courses in agriculture, horticulture, forestry, and domestic science; two-year courses in agriculture and horticulture; ten weeks' winter courses in agriculture and dairying; and a four weeks' course for home makers. Degrees are granted in the four-year courses, as follows: B. S. in agriculture, B. S. in horticulture, B. S. in forestry, and B. S. in domestic science.

The college of veterinary medicine offers a three-year course leading to the degree of D. V. M., and to a certificate of veterinary surgeon to those who fail in certain requirements for admission.

BOARD OF INSTRUCTION.

Rev. William Oxley Thompson, A. M., D. D., LL. D., *President of the University.*

Homer C. Price, M. S. A., *Dean; Rural Econ.; Mgr. Univ. Farm.*
Alfred Vivian, PH. G., *Sec.; Agr. Chem.*
William R. Lazenby, M. AGR., *For.*
Wendell Paddock, M. S., *Hort.*
Henry A. Weber, PH. D., *Agr. Chem.*
Matthew B. Hammond, PH. D., *Econ. and Sociol.*
Christopher E. Sherman, C. E., *Civil Engin.*
George W. Knight,[a] PH. D., *Amer. Hist.*
Joseph R. Taylor, M. A., *Engl.*
Lewis A. Rhoades, PH. D., *German.*
Albert M. Bleile, M. D., *Anat., Physiol.*
Benjamin L. Bowen, PH. D., *Romance Lang. and Lit.*
Joseph V. Denney, B. A., *Engl.*
William McPherson, PH. D., *Chem.*
David S. White, D. V. M., *Dean Vet. Med.*
Herbert Osborn,[c] M. S., *Zool., Ent.; Dir. Lake Lab.*
Frank E. Sanborn, B. S., *Dir. Dept. Indus. Arts.*
Joseph N. Bradford, M. E., *Archi.*
John A. Bownocker, D. S., *Inorganic Geol., State Geol.; Curator Museum.*
Oscar Erf, B. S. A., *Dairying.*
Ruth A. Wardall, M. A., *Dom. Sci.; in charge of Dept. Dom. Sci.*
Charles S. Plumb, B. S., *Animal Husb.*
Charles B. Morrey, B. A., M. D., *Bact.*
David R. Major, PH. D., *Psych.*
James E. Hagerty, PH. D., *Econ. Sociol.*
F. R. Marshall, B. S. A., *Animal Husb.*
Francis L. Landacre, B. A., *Zool., Ent.*
Mary R. Laver, (*Assoc.*) *Art.*
Anna K. Flint, B. S., (*Assoc.*) *Dom. Art.*
Edna N. White, (*Assoc.*) *Dom. Sci.*
Charles A. Bruce, B. A., *Romance Lang. and Lit.*
Thomas E. French, M. E., *Engin. Draw.*
Septimus Sisson, B. S., V. S., *Comparative Anat.*
Arthur G. McCall, B. S. A., *Agron.*
V. M. Shoesmith, M. S., (*Assoc.*) *Agron.*
John H. Schaffner, A. M., M. S., (*Assoc.*) *Bot.*
Alfred P. Dachnowski, PH. D., (*Asst.*) *Bot.*
James S. Hine, B. S., (*Assoc.*) *Zool., Ent.*
Oscar V. Brumley, V. S., (*Assoc.*) *Vet. Med.*
John H. McNeil, M. D. V., *Vet.; Surgery and Obstetrics.*
Charles L. Arnold, M. S., (*Assoc.*) *Math.*
George H. McKnight, PH. D., *Engl.*
Edgar S. Ingraham, PH. D., (*Assoc.*) *Romance Lang. and Lit.*
Vernon H. Davis, M. S. A., (*Asst.*) *Hort.*
John F. Lyman, PH. D., (*Assoc.*) *Agr. Chem.*
James McI. Phillips, M. D., (*Assoc.*) *Comparative Path.*
Robt. F. Earhart, PH. D., (*Assoc.*) *Phys.*
Thomas K. Lewis, B. S., (*Asst.*) *Engin. Draw.*
Wm. L. Evans, PH. D., (*Assoc.*) *Chem.*
Berthold A. Eisenlohr,[a] PH. B., (*Assoc.*) *German Lang. and Lit.*
Eugene F. McCampbell, B. S., (*Assoc.*) *Bact.*
George D. Hubbard, PH. D., (*Asst.*) *Geol.*
Robert F. Griggs, M. A., (*Asst.*) *Bot.*
H. C. Ramsower, B. S. A., (*Asst.*) *Agron.*
Frederick B. Hadley, D. V. M., (*Asst.*) *Anat. and Surgery.*
May Thomas, PH. D., (*Asst.*) *German Lang. and Lit.*
Carson S. Duncan, M. A., (*Asst.*) *Engl.*
Robert Meiklejohn, M. E., (*Asst.*) *Engin. Draw.*
Oliver C. Lockhart, M. A., (*Asst.*) *Econ. and Sociol.*
Grace M. Bareis, B. A., (*Asst.*) *Math.*
Julia Titsworth, (*Asst.*) *Art.*
Ernest D. Waid, B. S. A., (*Asst.*) *Agron.*
A. B. Graham, *Supt. Agr. Ext.*
Richmond L. Shields, B. S. A., *Asst. in Agr. Ext.*
William M. Barrows, M. S., *Instr. Zool.*
Frederica Detmers, M. S., *Instr. Bot.*
William C. Morse, M. A., *Instr. Geol.*
O. C. Cunningham, *Instr. Dairying.*
Charles P. Crowe, *Instr. Forging.*
John Chisholm, *Farm Supt.*
Maxwell E. Corotis, *Flor.*
David M. Fyffe, *Supt. Live Stock.*
Firman E. Bear, B. S. A., *Instr. Agr. Chem.*
Wm. L. Clevenger, B. S. A., *Instr. Butter Making.*
Henry W. Vaughan, B. S. A., *Instr. Animal Husb.*
George L. Converse, Capt., U. S. A. (Retired), *Mil. Sci. and Tactics.*
Olive B. Jones, B. A., *Libr.*
Alice Littlejohn, M. D., *Dir. of Phys. Ed. for Women.*

[a] On leave.

H. S. Wingert, M. D., *Dir. of Phys. Ed. for Men.*
Clara O. Smith, B. S., *Asst. in Dom. Sci.*
B. W. Hendrix, B. S. A., *Asst. in Agr. Chem.*
William C. Lassetter, B. S., *Asst. in Soil Phys.*
Theo. W. Ditto, B. S. A., *Asst. in Zool. and Ent.*
Anna F. Blohm, B. S., *Asst. in Dom. Sci.*
L. M. Montgomery, B. S., *Asst. in Hort.*
C. R. Titlow, *Asst. in Agr. Ext.*
George Livingston, B. S. A., *Asst. in Agron.*

Ohio Agricultural Experiment Station, *Wooster.*

GOVERNING BOARD.

Board of Control: John Courtright (*Pres.*), *Ashville;* D. L. Sampson (*Sec.*), *Cincinnati;* W. I. Chamberlain (*Treas.*), *Hudson;* G. E. Scott, *Mount Pleasant;* H. L. Goll, *Stryker.*

STATION STAFF.

Chas. E. Thorne, M. S. A., *Dir.*
W. J. Green, *Hort., For.*
Augustine D. Selby, PH. D., *Bot.*
C. G. Williams, *Agron.*
John W. Ames, M. S., *Chem.*
Harry A. Gossard, M. S., *Ent.*
B. E. Carmichael, B. S., *Animal Husb.*
L. H. Goddard, C. E., *Expt.*
E. B. Forbes, PH. D., *Nutrition.*
W. H. Kramer, *Bursar.*
Frank H. Ballou (*Newark*), *Asst. Hort., in charge of Insp. and Ext.*
J. H. Gourley, B. S., *Asst. Hort.*
W. H. Goodwin, B. S., *Asst. Ent.*
John S. Houser, B. S., *Asst. Ent.*
T. F. Manns, M. S., *Asst. Plant Path.*
W. F. Pate, B. S., *Asst. Chem.*
Frank A. Welton, B. S., *Asst. Agron.*
M. O. Bugby, B. S., *Asst. Expt.*
Edmund Secrest, B. S., *Asst. For.*
J. J. Crumley, PH. D., *Asst. For.*
True Houser, *Asst. in Plant Breeding.*
R. C. E. Wallace, B. S., *Asst. in Soils.*
E. W. Gaither, B. S., *Asst. Chem.*
Gail T. Abbott, A. B., *Asst. Agron.*
A. C. Whittier, B. S., *Asst. in Nutrition.*
R. C. Collison, M. S., *Asst. in Nutrition.*
L. T. Bowser, B. S., *Asst. Chem.*
Ralph E. Caldwell, B. S., *Asst. Animal Husb.*
W. A. Lloyd, B. S., *Asst. Expt.*
C. G. Evans, *Asst. Agron.*
W. M. Cook, B. S., *Asst. in Cooperative Expts.*
W. L. Elser, B. S., *Asst. in Cooperative Expts.*
William Holmes, *Farm Foreman.*
C. A. Patton, *Asst. Foreman; Met.*
Edward Mohn, *Supt. Substa., Strongsville.*
Henry M. Wachter, *Supt. Substa., Germantown.*
Lewis Schultz, *Supt. Substa., Carpenter.*

OKLAHOMA.

Oklahoma Agricultural and Mechanical College, *Stillwater.*

GOVERNING BOARD.

Board of Regents: J. P. Conners (*Pres.*), *Canadian;* J. C. Elliott (*V. Pres.*), *Pauls Valley;* Ewers White (*Treas.*), *McLoud;* R. F. Wilson, *Valliant;* G. T. Bryan, *Perry;* Dan Diehl, *Gotebo;* R. W. Lindsey, *Choteau;* T. Rice, *Hitchcock;* A. C. Cobb, *Wagoner;* J. W. Corley, *Howe;* F. Ikard, *Chickasha;* O. A. Brewer, *Helena.*

COURSES OF STUDY.

There are four-year courses of study in science and literature, agriculture, domestic science and art, mechanical, architectural and civil, and electrical engineering (B. S.); a four-year normal course; a two-year course in agriculture and domestic science; a one-year course in agriculture, and a one-year business course; a special ten weeks' winter term in agriculture and dairying; a four weeks' course in cotton grading and a four weeks' dairy course; a six weeks' summer normal institute; a reading course in agriculture; and a farmers' week.

BOARD OF INSTRUCTION.

J. H. Connell, M. S., *President.*

Lowery L. Lewis, M. S., D. V. M., *Zool., Vet. Sci.*
Oscar M. Morris, B. S., *Hort., Bot.*
Sarah W. Landes, *Dom. Econ.*
Llewellyn A. Moorhouse, M. S. A., *Agron.*
Roy C. Potts, B. S., *Dairying.*
W. W. Johnston, A. M., *Engl.*
Boyd A. Wyse, PH. D., *German, Lat.*
B. C. Pittuck, B. S., *Dean of District Agr. Schools.*
Ira F. Travel, Lieut., U. S. A., *Comdt. of Cadets.*
W. A. Linklater, B. S. A., *Animal Husb.*
T. M. Jeffords, *School Agr.*
Hardee Chambliss, PH. D., *Chem.*
Carl Gunderson, PH. D., *Math.*

C. E. Sanborn, M. A., *Ent.*
Rebecca Acheson, *Dom. Art.*
C. J. Bushnell, PH. D., *Hist., Polit. Econ.*
John H. Bowers, PH. D., *Pedag.*
I. Zackheim, PH. D., *Dir. Music.*
W. E. Schreiber, A. B., *Dir. Phys. Training.*
Henry P. Miller, M. S., D. V. M., *Prin. School of Agr.*
W. L. Burlison, M. S., (*Asst.*) *Agron.*
W. P. Webber, A. M., (*Asst.*) *Math.*
L. H. Rose, (*Asst.*) *Chem.*
Albert Stocker, B. S., (*Asst.*) *Dairy Husb.*
G. M. Lambert, B. S. A., *Field Dairyman.*
Howard G. Seldomridge, *Instr. Public Speaking, Asst. in Engl.*
Harriett Day, *Instr. Draw. and Art Work.*
T. A. Robinson, *Instr. Cotton Grading.*
E. Carroll Beach, *Instr. Violin.*
Winfred R. Wright, B. S., *Asst. in Bact.*
A. R. Ewing, *Asst. in Math.*
J. A. Ratcliff, B. S., *Asst. in Agron.*
A. L. Lovett, B. S., *Asst. in Ent.*
W. E. Lawrence, B. S., *Asst. in Hort., Bot.*
Madge B. Sanders, *Asst. in Music.*
Martha B. McKinley, B. S., *Asst. in Dom. Sci.*
Pearl Wiar, B. S., *Asst. in Dom. Econ.*
Orpha Caton, B. S., *Asst. in Dom. Sci.*
L. F. Stewart, *Asst. in Engl.*
Ada B. House, *Asst. in Math., Engl.*
Rose Murray, *Asst. in Piano.*
Cora A. Miltimore, A. B., *Libr.*
Hazel McIlvain, *Asst. Libr.*
Emma J. Ross, *Dir. Phys. Training for Women.*
R. E. Anderson, B. S., *Registrar.*
Edwin Gallagher, B. S., *Asst. Phys. Dir.*
W. W. Evans, B. S., *Farm Supt.*
Monroe J. Otey, B. S., *Financial Sec.*

Oklahoma Agricultural Experiment Station, *Stillwater.*

Department of Oklahoma Agricultural and Mechanical College, under the control of the Board of Regents.

STATION STAFF.

John A. Craig, B. S. A., *Dir.*
B. C. Pittuck, B. S., *Asst. Dir.*
L. L. Lewis, M. S., D. V. M., *Vet., Bact.*
O. M. Morris, B. S., *Hort., Bot.*
L. A. Moorhouse, M. S. A., *Agron.*
W. A. Linklater, B. S. A., *Animal Husb*
R. C. Potts, B. S., *Dairyman.*
C. E. Sanborn, M. A., *Ent.*
W. R. Wright, B. S., *Asst. Bact.*
W. L. Burlison, M. S., *Asst. Agron.*
J. A. Ratcliff, B. S., *Asst. Agron.*
R. O. Baird, B. S., *Asst. Chem.*
A. L. Lovett, B. S., *Asst. Ent.*
Charles Crawford, *Asst. Chem.*
W. E. Lawrence, B. S., *Asst. Hort., Bot.*

Agricultural and Normal University, *Langston.*

GOVERNING BOARD.

Board of Regents: James A. Menefe (*Pres.*), *Guthrie;* J. A. Rouce (*Sec.*), *Cooper;* E. D. Cameron (*State Supt. of Public Instr.*), *Guthrie;* D. L. F. Banks, *Enid.*

COURSES OF STUDY.

The courses of study are six: Classical (B. A.); scientific (B. S.); normal (B. S. D.); agricultural (B. S. Agr.); electrical and mechanical engineering (B. M. E.); civil architecture (B. M. E.). Each course requires four years for completion. There is also a three-year college preparatory course and a four-year normal elementary course.

BOARD OF INSTRUCTION.

Inman E. Page, M. A., *President; Psychology and Moral Philosophy.*

H. F. Mitchell, *Math.*
Mary L. McCrary, *Dom. Econ.*
James A. Dingus, *Agr.*
Cora B. Burks, *Dom. Sci.*
Ada Hawes, *Engl.*
W. A. Hinton, *Nat. and Phys. Sci.*
Paralee Lucas, *Asst. in Engl., Arith.*

OREGON.

Oregon State Agricultural College, *Corvallis.*

GOVERNING BOARD.

Board of Regents: J. K. Weatherford (*Pres.*), *Albany;* J. T. Apperson, *Parkplace;* B. F. Irvine (*Treas.*), *724 Broadway, Portland;* Mrs. Clara H. Waldo, *Macleay;* Gov. F. W. Benson (*Sec. of State, ex officio*), *Salem;* J. H. Ackerman (*State Supt. of Public Instr., ex officio*), *Salem;* Wm. W. Cotton,* *Worcester Building, Portland;* Walter M. Pierce,* *La Grande;* John D. Olwell,* *Central Point;* A. T. Buxton (*Master of State Grange*), *Forest Grove;* E. E. Wilson (*Sec.*), *Corvallis;* C. L. Hawley, *McCoy.*

COURSES OF STUDY.

There are nine four-year courses of study, viz: Agriculture, mechanical engineering, civil engineering, electrical engineering, mining engineering, household economy, commerce, pharmacy, and forestry (B. S.); two-year secondary industrial courses in agriculture, mechanic arts, domestic science and art, commerce, and forestry; a two-year course in pharmacy; a course in industrial pedagogy; a course in music; short winter courses in general agriculture, dairying, horticulture, forestry, mechanic arts, and domestic science and art; a summer school for teachers, a one-week agricultural course for farmers, and a reading course of five lessons in poultry husbandry.

BOARD OF INSTRUCTION.

William J. Kerr, D. Sc., *President.*

James Withycombe, M. Agr., *Animal Husb.; in charge of Farmers' Insts.*
Arthur B. Cordley, M. S., *Dean School of Agr.; Zool., Ent.*
Grant A. Covell, M. E., *Dean School of Engin. and Mech. Arts; Mech. Engin.*
Juliet Greer, A. B., *Dean School of Dom. Sci. and Art; Dom. Sci.*
John A. Bexell, A. M., *Dean School of Commerce; Business Administration; Financial Sec.*
Frederick Berchtold, A. M., *Engl. Lang. and Lit.*
John B. Horner, A. M., Litt. D., *Hist. and Polit. Sci.*
Edward R. Lake, M. S., *Bot. For.*
John Fulton, M. S., *Chem.*
Thomas H. Crawford, A. M., *Coml. Law.*
Claude I. Lewis, M. S. A., *Hort.*
Fred L. Kent, B. Agr., *Dairy Husb.*
Charles L. Johnson, B. S., *Math.*
Emile F. Pernot, M. S., *Bact.*
Gerard Taillandier, *Mod. Lang.*
U. G. McAlexander, Capt., U. S. A., *Mil. Sci. and Tactics; Comdt.*
James Dryden, *Poultry Husb.*
Henry D. Scudder, B. S., *Agron.*
Charles E. Bradley, M. S., *Agr. Chem.*
Emmett D. Angell, *Phys. Ed.*
William A. Jensen, *Recorder of Faculties.*
Edwin DeV. Ressler, M. A., *Indus. Pedag.*
Ida B. Callahan, B. S., (*Asst.*) *Engl. Lang. and Lit.*
Farley D. McLouth, B. S., (*Asst.*) *Art.*
Ida A. Kidder, A. B., B. L. S., *Libr.*
Nicholas Tartar, B. S., (*Asst.*) *Math.*
Charles A. Cole, M. S. A., (*Asst.*) *Pomol.*
Willibald Weniger, Ph. D., (*Asst.*) *Phys.*
Arthur L. Peck, B. S., (*Asst.*) *Landscape Gard.*
John C. Bridwell, B. S., *Instr. Zool., Ent.*
Harry L. Beard, B. S., *Instr. Math.; Dir. of Band.*
Loren B. Baldwin, A. M., *Instr. Engl.*
William M. Porter, *Instr. Forging.*
Elmer P. Jackson, B. S., *Foreman in Carpentry.*
Marion S. Van Liew, *Instr. Dom. Sci.*
Ariel M. Ewing, *Instr. Dom. Art.*
Helen H. Tobin, *Instr. Dom. Art.*
Erwine L. Potter, B. S. A., *Instr. Animal Husb.*
Ralph D. Hetzel, A. B., LL. B., *Instr. Public Speaking and Debating.*
Winifred M. Williams, B. Ph., *Instr. Engl. and Phys. Culture for Women.*
Edward B. Beaty, B. S., *Instr. Math.*
George R. Hyslop, B. S., *Instr. Agron.*
Earle P. Harding, B. S., *Instr. Chem.*
Edma Green, *Instr. Art.*
Myrtle C. Van Deusen, *Instr. Dom. Sci.*
Arthur G. B. Bouquet, B. S., *Instr. Hort.*
Otto G. Simpson, B. S., *Instr. Dairy Husb.*
Fred L. Griffin, B. S., *Instr. Zool., Ent.*
Renton K. Brodie, B. S., *Instr. Chem.*
Rose Z. Angell, *Instr. Home Nursing.*
Edgar R. Shepard, A. M., *Instr. Phys.*
Robert H. Rodgers, B. S., *Instr. Pattern Making.*
Gertrude E. McElfresh, A. B., *Instr. Engl.*
Anna G. Saby, M. A., *Instr. Spanish and Lat.*
E. J. Kraus, B. S., *Instr. Hort.*
Milo R. Daughters, M. S., *Instr. Chem.*
Wilbur L. Powers, M. S., *Instr. Agron.*
Alice L. Edwards, *Asst. in Zool., Ent.*
Helen M. Gilkey, B. S., *Asst. in Bot.*
Glen De Haven, B. S., *Asst. in Bact.*
Frances Huston, *Asst. in Phys. Ed. for Women.*
Alfred Q. Lunn, *Asst. in Poultry Husb.*
James Koeber, B. S., *Asst. in Agron.*
Myrtle E. Knepper, B. S., *Asst. Libr.*

Oregon Experiment Station, *Corvallis.*

Department of Oregon State Agricultural College, under the control of the Board of Regents.

STATION STAFF.

James Withycombe, M. Agr. *Dir.; Animal Husb.*
A. B. Cordley, M. S., *Ent., Plant Path.*
C. E. Bradley, M. S., *Chem.*
E. R. Lake, M. S., *Bot.*
E. F. Pernot, M. S., *Bact.; State Bact.*
C. I. Lewis, M. S. A., *Hort.*
F. L. Kent, B. Agr., *Dairy Husb.*

H. D. Scudder, B. S., *Agron.; Supt. of Farm.*
James Dryden, *Poultry Husb.*
A. L. Peck, B. S., *Flor., Landscape Gard.*
C. A. Cole, M. S. A., *Asst. Hort.*
E. J. Kraus, B. S., *Asst. Hort.*
J. C. Bridwell, B. S., *Asst. Ent.*
F. C. Ewing, B. S., *Asst. Ent.*
A. G. B. Bouquet, B. S., *Oler.*
H. S. Jackson, B. A., *Asst. Plant Path.*
C. C. Vincent,[a] B. S., *Asst. Hort.*
E. L. Potter, B. S. A., *Asst. Animal Husb.*
G. R. Hyslop, B. S., *Asst. Agron.*
R. W. Allen, B. S., *Asst. Hort.; Supt. Umatilla Branch Expt. Sta.*
F. L. Griffin, B. S., *Asst. Ent.*
Alice L. Edwards, *Asst. Ent.*
Glen De Haven, B. S., *Asst. Bact.*
H. V. Tartar, B. S., *Asst. Chem.*
Otto G. Simpson, B. S., *Asst. Dairyman.*
James Koeber, B. S., *Asst. Agron.*
A. Q. Lunn, *Asst. Poultryman.*
Lyman Bundy, B. S., *Asst. Chem.*
Bert Pilkington, B. S., *Asst. Chem.*
W. L. Powers, M. S., *Asst. Agron.*
Robert Withycombe, B. S., *Supt. Eastern Oregon Substa., Union.*
P. H. Spillman, *Hort., Eastern Oregon Substa., Union.*
H. J. Umberger, B. S., *Supt. Eastern Oregon Dry-Farm Substa., Moro.*
A. L. Applewhite, B. S., *Farm Foreman.*

PENNSYLVANIA.

The Pennsylvania State College, *State College.*

GOVERNING BOARD.

Board of Trustees: James A. Beaver* (*Pres.*), *Bellefonte;* Edwin E. Sparks* (*ex officio, Sec.*), *State College;* Gov. Edwin S. Stuart (*ex officio*), *Harrisburg;* Charles H. Bergner (*ex officio, Pres. of the State Agr. Soc.*), *Harrisburg;* Nathan C. Schaeffer (*ex officio, Supt. of Public Instr.*), *Harrisburg;* N. B. Critchfield (*ex officio, Sec. State Bd. of Agr.*), *Harrisburg;* Charles M. Schwab, *Pittsburg;* John A. Woodward,* *Howard;* H. Walton Mitchell (*V. Pres.*), *Pittsburg;* James L. Hamill, *Columbus, Ohio;* John F. Shields, *Philadelphia;* Lloyd B. Huff, *Greensburg;* Geo. M. Downing, *Philadelphia;* Gabriel Hiester,* *Harrisburg;* Geo. G. Hutchison, *Warriors Mark;* Augustus C. Read, *Pittsburg;* James G. White, *New York City;* E. S. Bayard,* *Pittsburg;* Marlin E. Olmsted, *Harrisburg;* Charles Miller, *Franklin;* Andrew Carnegie, *Pittsburg;* H. V. White,* *Bloomsburg;* William F. Hill,* *Huntingdon;* Ellis L. Orvis, *Bellefonte;* James E. Quigley, *Pittsburg*; William H. Walker, *Newtonville, Mass.;* Thomas W. Barlow, *Philadelphia;* Milton W. Lowry, *Scranton;* S. O. Frantz, *Rohrerstown;* V. C. McCormick,* *Harrisburg;* Wm. H. Patterson, *Clearfield;* Wm. T. Creasy, *Catawissa;* John Hamilton (*Treas.*), *Washington, D. C.*

COURSES OF STUDY.

The courses of study, each requiring four years for completion, unless otherwise specified, are as follows: Classical (B. A.) general science, modern language and literature (B. Litt.), historical and political science, philosophy and education, agricultural, home economics, biology, chemistry, civil engineering, electrical engineering, electro-chemical engineering, industrial chemistry, mathematics, mechanical engineering, physics, mines and metallurgy, and sanitary engineering (B. S.); two-year courses in mechanics and agriculture, respectively; a teachers' course in mechanic arts; short courses in agriculture, dairying, creamery work, horticulture, and poultry husbandry; correspondence courses in agriculture, postgraduate courses, a six weeks' summer session, and a farmers' week.

BOARD OF INSTRUCTION.

Edwin Erle Sparks, PH. D., LL. D., *President; Dean of the School of the Liberal Arts.*

Judson P. Welsh, D. SC., PH. D., LL. D., *Dean of the Colleges.*
William A. Buckhout, D. SC., *Bot.*
William Frear, PH. D., *Expt. Agr. Chem.*
George G. Pond, PH. D., *Chem.; Dir. Chem. Lab.; Dean School of Nat. Sci.*
Henry P. Armsby, PH. D., LL. D., *Dir. Institute of Animal Nutrition.*
Benjamin Gill, M. A., D. D., *Greek, Lat.; Chaplain.*
Thos. F. Hunt, D. AGR., D. SC., *Dean School of Agr.*
Sara C. Lovejoy, B. A., *Dean of Women.*
Erwin W. Runkle, PH. D., *Psych. and Ethics.*
Joseph M. Willard, B. A., *Math.*
Fred L. Pattee, M. A., *Engl. Lang. and Lit.*
Carl D. Fehr, M. A., *German.*
Irving L. Foster, M. A., *Romance Lang.*
William H. Hay, Capt., U. S. A., *Mil. Sci. and Tactics.*
Hubert E. Van Norman, B. S., *Dairy Husb.*
Perley O. Ray, M. A., *Hist. and Polit. Sci.*
Alva Agee, *Agr. Ext.; Prin. of Short Courses; Sec. School of Agr.*
Hugh P. Baker,[a] B. S., M. F., *For.*

[a] On leave.

Ralph L. Watts, B. Agr., M. S., *Hort.*
Frank D. Gardner, B. S., *Agron.*
Thomas I. Mairs, B. Agr., M. S., *Agr. Ed.; Supt. of Corresp. Courses.*
William R. Ham, Ph. D., *Phys.*
Wilbur A. Cochel, B. A., B. S., *Animal Husb.*
Jos. H. Tudor, C. E., M. S., (*Assoc.*) *Math.*
A. Howry Espenshade, M. A., (*Assoc.*) *Engl., Rhet.*
H. Freeman Stecker, Ph. D., (*Assoc.*) *Math.*
Madison M. Garver, B. S., (*Assoc.*) *Phys.*
Harry R. Fulton, M. A., (*Assoc.*) *Bot.*
Anna E. Redifer, (*Asst.*) *Indus. Art and Design.*
Walter J. Keith, Ph. D., (*Asst.*) *Org. Chem.*
Jesse B. Churchill, B. S., (*Asst.*) *Indus. Chem.*
J. H. Frizzell, B. A., (*Asst.*) *Engl., Oratory.*
Elizabeth B. Meek,[a] M. S., (*Asst.*) *Bact.*
Wilber R. McConnell, B. S., (*Asst.*) *Zool.*
John P. Stewart, M. S. A., (*Asst.*) *Expt. Hort.*
Milton S. McDowell, M. S., (*Asst.*) *Expt. Agr. Chem.*
B. E. Brown,[a] M. S., (*Asst.*) *Expt. Agron.*
Louise Waugh, B. S., (*Asst.*) *Home Econ.*
William D. Crockett, M. A., (*Asst.*) *Rhet., Oratory, Hist.; Sec.*
Chas. F. Shaw, B. S., (*Asst.*) *Agron.*
Carl W. Larson, B. S. A., (*Asst.*) *Dairy Husb.*
John A. Ferguson, M. A., M. F. (*Asst.*) *For.*
Margaret B. MacDonald, Ph. D., (*Asst.*) *Agr. Chem.*
Julia C. Gray, *Libr.*
Lucretia Van T. Simmons, Ph. B., M. A., *Instr. German.*
Emma A. McFeely, *Instr. Indus. Art.*
Thomas E. Gravatt, B. S., *Instr. Math.*
Mahlon J. Rentschler, M. S., *Instr. Qualitative Anal.*
Frederic A. Hilary, M. A., *Instr. German.*
Geo. K. Pattee, M. A., *Instr. Rhet.*
Frederick W. Beal,[b] Ph. B., M. A., *Instr. Math.*
Geo. A. Whittemore, B. A., *Instr. Math.*
E. V. Gage, M. A., *Instr. Romance Lang.*
V. L. Logo, B. S., *Instr. Quantitative Anal.*
Paul D. Potter, B. A., *Instr. Quantitative Anal.*
Jesse F. Stinard, B. A., *Instr. German and French.*
Lulu B. Smith, Ph. B., *Instr. Gymnastics.*
E. A. Cottrell, B. A., *Instr. Hist. and Econ.*
Fred J. Kaufman, B. S., *Instr. Gen. Chem.*
G. C. Chandlee, Ph. B., *Instr. Gen. Chem.*
J. W. Clark,[b] B. S., *Instr. Poultry Husb.*
William S. Dye, jr., M. A., *Instr. Engl.*
Mary T. Harman, B. A., *Instr. Zool.*
Samuel W. Niederhauser, M. A., *Instr. Math.*
Helen H. Atherton, B. M., *Instr. Music.*
Frederick C. Miller, B. A., *Instr. Phys.*
Elizabeth Bemis, B. S., *Instr. Dom. Sci.*
Paul S. Worth, B. A., *Instr. Math.*
Arthur L. Wright, B. Ph., *Instr. Math.*
B. H. Goldsmith, *Instr. German.*
George F. Zook, M. A., *Instr. Hist.*
Wm. J. Wright, B. S., *Instr. Hort.*
J. Ben Hill, B. A., B. S., *Instr. Bot.*
Wm. D. Clark, B. A., M. F., *Instr. For.*
Homer W. Jackson, *Instr. Poultry Husb.*
Lewis E. Armstrong, Ph. B., *Instr. Math.*
Leslie M. Burrage, B. A., *Instr. French.*
Edmund P. Davis, B. A., *Instr. Math.*
J. Frank Jones, B. A., *Instr. Engl.*
Carl E. Marquardt, B. A., *Instr. German.*
Wheeler P. Davey, B. A., *Instr. Phys.*
L. J. Lassalle, B. S., *Instr. Phys.*
Mervin J. Curl, M. A., *Instr. Engl.*
Guy C. Given, B. S., *Asst. in Chem.*
John W. White, B. S., *Asst. in Chem.*
Charles F. Noll, B. S. A., *Asst. in Expt. Agron.*
W. H. McIntire, M. S., *Asst. in Expt. Agron.*
Warren G. Ross, B. S., *Asst. in Agron.*
J. Plummer Pillsbury, *Asst. in Hort.*
Chas. E. Myers, B. S., *Asst. in Hort.*
John A. Runk, *Asst. in Bot.*
C. L. Goodling, B. S., *Asst. in Dairy Husb.*
P. B. Bennetch, B. S., *Asst. in Dairy Husb.*
Edw. K. Hibshman, B. S., *Field Asst. in Expt. Agron.*
Edward S. Erb, M. S., *Asst. Chem.*
Jerome S. Rogers, B. S., *Asst. Chem.*
James E. Toomer, B. S., *Asst. Chem.*
Elizabeth B. Bower, B. S., *Asst. in Dom. Sci. and Chem.*
Frank P. Knoll, *Asst. in Butter Making.*
S. W. Doty, B. S., *Asst. in Animal Husb.*
Harry C. Baker, *Asst. in Corresp. Courses.*
Harry D. Edmiston, *Lab. Asst.*

The Pennsylvania State College Agricultural Experiment Station, *State College.*

Department of the Pennsylvania State College, under the control of the Board of Trustees.

STATION STAFF.

Thomas F. Hunt, D. Agr., D. Sc., *Dir.*
Wm. A. Buckhout, D. Sc., *Bot.*
William Frear, Ph. D., *V. Dir.; Agr. Chem.*
H. E. Van Norman, B. S., *Dairy Husb.*
Alva Agee, *Agr. Ext.*
H. P. Baker,[b] B. S., M. F., *For.*
R. L. Watts, B. Agr., M. S., *Hort.*
F. D. Gardner, B. S., *Agron.*
T. I. Mairs, B. Agr., M. S., *Agr. Ed.*
W. A. Cochel, B. A., B. S., *Animal Husb.*
J. P. Stewart, M. S. A., *Hort.*
Julia C. Gray, *Libr.*
M. S. McDowell, M. S., *First Asst. Chem.*
B. E. Brown,[a] M. S., *Agron.*

[a] Assigned by the Bureau of Soils, U. S. Department of Agriculture.
[b] On leave.

H. R. Fulton, M. A., *Bot.*
Elizabeth B. Meek,[a] M. S., *Bact.*
C. F. Shaw, B. S., *Asst. Agron.*
C. W. Larson, B. S. A., *Asst. Dairy Husb.*
J. A. Ferguson, M. A., M. F., *For.*
Margaret B. MacDonald, PH. D., *Asst. Chem.*
W. D. Clark, B. A., M. F., *Asst. For.*
W. J. Wright, B. S., *Asst. Hort.*
H. C. Jackson, *Poultry Husb.*
J. P. Pillsbury, *Asst. Hort.*
J. W. White, B. S., *Asst. Chem.*
G. C. Given, B. S., *Asst. Chem.*
C. L. Goodling, B. S., *Asst. Dairy Husb.*
C. F. Noll, B. S. A., *Asst. in Expt. Agron.*
W. H. McIntire, M. S., *Asst. Agron.*
C. E. Myers, B. S., *Asst. Hort.*
S. W. Doty, B. S., *Asst. Animal Husb.*
E. S. Erb, M. S., *Asst. Chem.*
W. G. Ross, B. S., *Asst. Agron.*
P. B. Bennetch, B. S., *Asst. Dairy Husb.*
J. Ben Hill, A. B., B. S., *Asst. Bot.*
E. K. Hibshman, B. S., *Asst. Chem.*
J. E. Toomer, B. S., *Asst. Chem.*
H. D. Edmiston, *Lab. Asst.*

The Pennsylvania State College Institute of Animal Nutrition, *State College*

Department of the Pennsylvania State College, under the control of the Board of Trustees.

INSTITUTE STAFF.

H. P. Armsby, PH. D., LL. D., *Dir.*
J. A. Fries, M. S., *Asst. Dir.*
Winfred W. Braman, M. S., *Asst. in Animal Nutrition.*
F. W. Christensen, M. S., *Asst. in Animal Nutrition.*
John W. Calvin, B. S., *Asst. in Animal Nutrition.*
D. C. Cochrane, B. S., *Asst. in Animal Nutrition.*
Roy C. Jones, B. S., *Asst. in Animal Nutrition.*

PORTO RICO.

Porto Rico Agricultural Experiment Station, *Mayaguez.*

Under the supervision of A. C. True, Director Office of Experiment Stations, United States Department of Agriculture.

STATION STAFF.

D. W. May, M. AGR., *Special Agent in Charge; Animal Husb.; in Charge of Farmers' Insts.*
J. W. van Leenhoff, *Coffee Expert.*
W. V. Tower, B. S., *Ent.*
Philip L. Gile, A. B., *Chem.*
C. F. Kinman, B. S., *Hort.*
E. G. Ritzman, *Asst. Animal Husb.*
G. L. Fawcett, *Asst. Plant Path.*
Wm. C. Taylor, B. S., *Asst. Chem.*
Thos. B. McClelland, *Asst. Hort.*
Wm. E. Hess, *Expert Gard.*

RHODE ISLAND.

Rhode Island State College, *Kingston.*

GOVERNING BOARD.

Board of Managers: Chas. D. Kimball (*Pres.*), *Providence;* T. G. Mathewson (*V. Pres.*), *East Greenwich;* W. E. Ranger (*State Comr. of Schools*), *Providence;* Philip A. Money (*State Bd. of Agr.*), *Slocum;* Robert S. Burlingame (*Clerk, Treas.*), *Newport;* Jesse V. Watson, *Wakefield;* Charles Estes, *Warren.*

COURSES OF STUDY.

There are four four-year courses of study, viz: Agricultural, with options in agronomy, horticulture, and animal husbandry; engineering, with options in mechanical, electrical, civil, and chemical engineering; teachers' course in applied science and home economics (B. S.); two-year agricultural, home economics, and engineering courses of high-school grade, and a poultry school extending through six weeks.

BOARD OF INSTRUCTION.

Howard Edwards, M. A., LL. D., *President; Political Economy and Social Science.*

Homer J. Wheeler, PH. D., *Agr. Chem., Geol.*
E. Josephine Watson, M. A., *Lang.*
Harriet L. Merrow, M. A., *Bot.; Sec.*
George E. Adams, B. S., *Agr.*
Virgil L. Leighton, PH. D., *Chem.*
John Barlow, A. M., *Zool.*
Leonard P. Dickinson, *Phys.*

[a] On leave.

Marshall H. Tyler, B. S., *Math.*
S. H. Webster, B. S., *Civil Engin.*
Clyde B. Coleman, B. S., *Animal Husb.*
Burt L. Hartwell, PH. D., *Agr. Chem.*
Helen B. Thompson, M. S., *Home Econ.*
Mabel D. Eldred, B. S., *Instr. Drawing.*
Howland Burdick, B. S., *Instr. Dairying.*
Andrew E. Stene, M. S. A., *Supt. College Ext.*
Wm. S. Spencer, B. D., *Argumentation; Instr. Engl.*
Ernest K. Thomas, *Asst. in Hort.*
E. A. Mallette, *Florist.*
D. J. Lambert, *Instr. Poultry Husb.; in charge of Poultry Dept.*
Francis H. Smith, PH. B., M. S., *Instr. Chem.*
Geo. R. Cobb, B. S., *Instr. Hort.*
Thomas C. Rodman, *Instr. Woodwork.*
Henry G. Stahl, Lieut., U. S. A., *Mil. Sci. and Tactics.*
Mrs. Marian L. Chamberlain, B. S., *Libr.*

Rhode Island Agricultural Experiment Station, *Kingston.*

Department of Rhode Island State College, under the control of the Board of Managers.

STATION STAFF.

H. J. Wheeler, PH. D., *Dir.; Agron.*
Burt L. Hartwell, PH. D., *Chem.*
G. E. Adams, B. S., *Hort.*
Philip B. Hadley, PH. D., *Biol.*
P. H. Wessels, B. S., *Asst. Chem.*
W. F. Kirkpatrick, B. AGR., B. E., *Field Asst. in Biol.*
Roy H. Waite, B. S., *Field Asst. in Biol.*
Miss E. E. Amison, B. S., *Lab. Asst. in Biol.*
S. C. Damon, B. S., *Asst. Agron.*
A. L. Whiting, B. S., *Asst. Agron.*
John Daniel, B. S., *Asst. Agron.*
J. Frank Morgan, M. A., *Asst. Chem.*
Nathaniel Helme, *Met.*
L. F. Whipple, *Asst. Chem.*
F. S. Hammett, A. B., *Asst. Chem.*
F. R. Pember, M. S., *Asst. Plant Physiol.*
E. A. Mallette, *Asst. Hort.*

SOUTH CAROLINA.

Clemson Agricultural College of South Carolina, *Clemson College.*[a]

GOVERNING BOARD.

Board of Trustees: Alan Johnstone (*Pres.*), *Newberry;* R. W. Simpson, *Pendleton;* P. H. E. Sloan (*Sec. and Treas.*), *Clemson College;* M. L. Donaldson, *Greenville;* B. H. Rawl,* *Washington, D. C.;* B. R. Tillman,* *Trenton;* W. W. Bradley, *Abbeville;* W. D. Evans, *Cheraw;* R. I. Maning, *Sumter;* J. E. Wannamaker,* *St. Matthews;* Ivy M. Mauldin, *Pickens;* J. H. Hardin, *Chester;* J. C. Richards, jr., *Liberty Hill,* C. D. Mann, *West Union.*

COURSES OF STUDY.

There are seven four-year courses of study leading to the degree of B. S., viz: In agriculture, agriculture and chemistry, agriculture and animal husbandry, mechanical and electrical engineering, civil engineering, chemistry and geology, and textile industry; two-year courses in agriculture and textile industry, a one-year preparatory course, and a six weeks' cotton grading course. Special courses are given to farmers and others of mature age who desire to avail themselves of the privileges of the college.

BOARD OF INSTRUCTION.

Walter M. Riggs, E. M. E., *Acting President; Director of Mechanical and Electrical Department.*

Mark B. Hardin, *Dir. Chem. Dept.*
David N. Barrow, B. S., M. A., *in charge of Farmers' Insts.*
Charles M. Furman, B. A., *Engl.*
Wm. S. Morrison, B. A., *Hist., Polit. Econ.*
M. B. Stokes, Capt., U. S. A., *Comdt.; Mil. Sci.*
Samuel M. Martin, B. S., *Math.*
Fred H. H. Calhoun, PH. D., *Geol., Min.; Actg. Dir. Dept. of Agr.*
Hale Houston, C. E., *Civil Engin.*
David W. Daniel, M. A., (*Assoc.*) *Engl.*
Rudolph E. Lee, B. S., (*Assoc.*) *Draw.*
Robert A. Hall, PH. D., (*Asst.*) *Chem.*
John W. Gantt, (*Asst.*) *Forge and Foundry.*
M. Ray Powers, D. V. S., (*Assoc.*) *Vet. Sci.; State Vet.*
Dennis C. Mooring, M. S., (*Assoc.*) *Hort.*
Frank Bogard, B. M. E., *Instr. Draw.*
Joseph E. Hunter, B. S., (*Asst.*) *Math.*
Thomas W. Keitt, (*Asst.*) *Engl.*
Thomas G. Poats, M. E., E. E., (*Assoc.*) *Phys.*
Chas. S. Doggett, *Dir. Textile Dept.*

[a] Telegraph and express address, *Clemson College;* freight address, *Calhoun.*

Williston W. Klugh, B. S., (*Asst.*) *Draw.*
R. N. Brackett, PH. D., (*Assoc.*) *Chem.*
Burr H. Johnstone, A. B., (*Asst.*) *Math.*
Andrew Bramlett, B. S., (*Asst.*) *Math.*
Augustus G. Shanklin, B. S., (*Assoc.*) *Math.*
Alexander M. Redfern, B. S., M. D., *Surgeon.*
J. C. Littlejohn, *Instr. Woodwork.*
Andrew B. Gardner, *Asst. in Woodwork.*
T. R. Burruss, jr., B. S., *Instr. Draw.*
Z. R. Lewis, *Asst. in Forge and Foundry.*
D. O. Nourse, B. S., (*Assoc.*) *Animal Husb. and Dairying.*
Lee I. Knight, B. S., (*Assoc.*) *Bot., For.*
Junius M. Burgess, B. S., (*Asst.*) *Animal Husb. and Dairying.*
Arthur B. Bryan, B. S., B. LIT., (*Asst.*) *Engl.*
David H. Henry, B. S., (*Asst.*) *Chem.*
Geo. G. Ainslie, B. S. AGR., (*Asst.*) *Ent.*
Benjamin Freeman, B. S., *Asst. in Chem.*
Mark E. Bradley, B. A., (*Asst.*) *Engl.*
Alester D. Holmes, B. S., (*Asst.*) *Engl., Hist., Geog., Prep. Dept.*
L. A. Sease, B. S., (*Asst.*) *Prep. Dept.*
F. R. Sweeny, B. S., *Instr. Civil Engin.*
Katherine B. Trescot, *Libr.*

South Carolina Agricultural Experiment Station, *Clemson College.*

Department of Clemson Agricultural College, under the control of the Board of Trustees.

STATION STAFF.

J. N. Harper, B. S., M. AGR., *Dir.; Agr.*
H. W. Barre, B. S., *Bot., Plant Path.*
Thos. E. Keitt, B. S., *Chem.*
C. C. Newman, B. S., *Hort.*
A. F. Conradi, M. S., *Zool.; Ent.*
Raymond H. Pond, PH. D., *Plant Path.*
J. N. Hook, *Sec.*
Enoch Barnett, V. M. D., *Animal Husb.; Vet.*
W. D. Garrison, jr., B. S., *Supt. Coast Land Expt. Sta., Summerville; Asst. Agr.*
W. A. Thomas, B. S., *Asst. Zool., Ent.*
G. W. Keitt, B. S., *Asst. Bot., Plant Path.*
Burns Gillison, *Foreman of Sta. Farm.*

The Colored Normal, Industrial, Agricultural, and Mechanical College of South Carolina, *Orangeburg.*

GOVERNING BOARD.

Board of Trustees: Gov. M. F. Ansel (*Chair.*), *Columbia;* W. R. Lowman (*Sec.*), *Orangeburg;* D. J. Bradham, *Manning;* A. L. Dukes, *Orangeburg;* G. B. White, *Chester;* J. W. Floyd, *Kershaw;* C. E. Sawyer, *Aiken.*

COURSES OF STUDY.

The courses of study are four in number and require four years each for completion: The collegiate (B. A.); the agricultural (B. Agr.); the mechanical (B. S.); the normal (L. I., Licentiate of Instruction); and the preparatory, leading up to the four above-

BOARD OF INSTRUCTION.

Thos. E. Miller, LL. D., *President; Agriculturist; Director of Industries; in charge of Farmers' Institutes.*

Robert S. Wilkinson, M. A., PH. D., *Phys., Chem.; Comdt.; Sec.*
H. P. Butler, M. A., *Engl. Lang., Lit., Logic, Lat.*
Nelson C. Nix, M. A., *Math., Mech.*
E. A. Lawrence, *Pedag., Civics,* (*Asst.*) *Agr.*
Ellie N. Levy, *Engl.*
Louise B. Fordham, A. B., *Draw., Art,* (*Adjunct*) *Hist.*
Cecilia H. Holloway, *Instr. Engl., Bookkeeping, Penmanship.*
Ida L. Patrick, *Instr. Reading, Geog.*
Cora Muldrow, *Instr. Physiol., Hyg., Phys. Sci.*
Josie W. Roberts, *Vocal and Instrumental Music.*
James Miller, *Farm Supt.; Instr. Dairying.*
Louisa Blanding, *Instr. Dairying, Cheese Making.*
Miss C. C. Davis, *Dressmaking, Plain Sew.*
Cornelia J. Gregg, *Dom. Econ.; Matron.*
Mattie J. Battiste, *Dom. Econ.*

SOUTH DAKOTA.

South Dakota State College of Agriculture and Mechanic Arts, *Brookings.*

GOVERNING BOARD.

State Board of Regents of Education: E. C. Ericson (*Pres.*), *Elk Point;* A. J. Norby,* *Sisseton;* Albert Anderson, *Sturgis;* A. E. Hitchcock,* *Mitchell;* T. W. Dwight, *Sioux Falls;* I. D. Aldrich (*Sec.*), *Big Stone;* Geo. G. Johnson (*Treas.*), *Pierre.*

COURSES OF STUDY.

Four-year courses, leading to the degree of B. S., are offered in agriculture, home economics, mechanical engineering, electrical engineering, civil engineering, pharmacy, and general science. A fifth-year course in engineering is offered, leading to the degree of M. E., E. E., or C. E. A regular two-year course in pharmacy, leading to the degree of Ph. G., a three-year course in agriculture, a three-year course in home economics, a three-year preparatory course, a three-year course in commercial science, and courses in art and music are also offered. The short industrial courses include two weeks in agriculture, two weeks' dairy course, three months' creamery course, and five months' course in steam engineering.

BOARD OF INSTRUCTION.

Robert L. Slagle, A. M., PH. D., *President.*

James H. Shepard, B. S., *Chem.*
Niels E. Hansen, M. S., *Hort., For.*
Hubert B. Mathews, M. S., *Phys.*
Edward L. Moore, B. S., D. V. S., *Zool., Vet. Med.*
Ada B. Caldwell, *Indus. Art.*
Robert B. Forsee, PE. P., *Prin. Prep. Dept.*
Albert S. Harding, A. M., *Hist., Polit. Sci.*
James W. Wilson, M. S. A., *Animal Husb.*
Wm. H. Powers, M. A., *Engl.*
William S. Hayes, A. B., *French, German.*
Edith M. Wilcox, B. L., ED. B., *Home Econ.*
Arthur A. Brigham, PH. D., *Prin. School of Agr.; Agr. College Ext.*
Edgar W. Olive, PH. D., *Bot.*
Christian Larsen, M. S. A., *Dairy Husb.*
Madison C. Bates, A. M., *Engl.*
Clifford Willis, M. S., *Agron.*
Joseph N. Rodeheaver, A. M., PH. D., *Philos., Ed.*
Edward R. Chrisman, Capt., U. S. A., *Mil. Sci. and Tactics.*
J. V. Bopp, B. S., (*Assoc.*) *Agron.*
Harry C. Severin, M. A., *Ent.*
Nola K. Fromme, B. S., *Asst. Prin. School of Agr.*
Maud Goddard, *Instr. Indus. Art.*
Arthur E. Koch, PH. G., M. S., *Asst. in Chem.*
Gertrude S. Young, A. B., *Instr. Prep. Dept.*
Benj. H. Alton, B. S., *Instr. Zool. and Bact.*
T. Herbert Lund, *Instr. Dairy Husb.*
R. Adams Dutcher, B. S., *Asst. in Chem.*
H. J. Besley, B. A., *Asst. in Agron.*
H. B. Potter, B. S., *Instr. Agron.*
S. Garver, B. S. A., *Asst. in Agron.*
P. H. Moore, *Asst. in Agron.*
W. D. Griggs, B. S., *Asst. in Agron.*
LeRoy F. Miller, B. S., *Dairy Chem.*
Grace Smiley, B. S., *Asst. in Home Econ.*
Amy Kelley, B. S., *Asst. in Home Econ.*
Benjamin L. Thompson, B. S., *Instr. Animal Husb.*
F. C. Stoltenberg, *Flor.*

South Dakota Agricultural Experiment Station, *Brookings.*

Department of South Dakota State College of Agriculture and Mechanic Arts, under the control of the State Board of Regents of Education.

STATION STAFF.

Jas. W. Wilson, M. S. A., *Dir.; Agr., Animal Husb.*
N. E. Hansen, M. S., V. *Dir.; Hort.*
J. H. Shepard, B. S., *Chem.*
E. W. Olive, PH. D., *Bot.*
E. L. Moore, B. S., D. V. S., *Vet.*
Christian Larsen, M. S. A., *Dairying.*
Clifford Willis, M. S., *Agron.*
T. H. Lund, *Asst. Dairy Husb.*
R. A. Larson, *Sec., Acct.*
F. C. Stoltenberg, *Flor.*
A. E. Koch, PH. G., M. S., *Asst. Chem.*
R. A. Dutcher, B. S., *Asst. Chem.*
Guy E. Youngburg, PH. G., *Asst. Chem.*
J. V. Bopp, B. S., *Asst. Agron. (Soil Utility).*
H. B. Potter, B. S., *Asst. Agron. (Corn).*
H. J. Besley, B. A., *Asst. Chem.*
S. Garver, B. S. A., *Asst. Agron. (Corn).*
P. H. Moore, *Asst. Agron. (Soil Utility).*
W. D. Griggs, B. S., *Asst. Agron. (Cereals).*
Manley Champlin, B. S., *Cooperative Asst. (Cereals).*
B. L. Thompson, B. S., *Asst. Animal Husb.*
Orlando White, B. S., *Asst. in Bot.*
LeRoy F. Miller, B. S., *Asst. in Dairy Chem.*

TENNESSEE.

College of Agriculture of the University of Tennessee, *Knoxville.*

GOVERNING BOARD.

Board of Trustees: Brown Ayres* (*Pres.*), *Knoxville;* James Maynard (*Treas.*), *Knoxville;* William Rule (*Sec.*), *Knoxville;* the Governor; Commissioner of Agriculture; Superintendent of Public Instruction; H. G. Kyle, *Rogersville;* E. T. Sanford, *Knoxville;*

Xenophon Wheeler, *Chattanooga;* Harris Brown,* *Gallatin;* Thomas R. Myers, *Shelbyville;* T. F. P. Allison,* *Nashville;* Hu C. Anderson,* *Jackson;* Spencer F. Thomas, *Brownsville;* Rowan A. Greer, *Memphis;* Hu L. McClung, *Knoxville.*

COURSES OF STUDY.

There are ten four-year courses of study, viz: Literary, scientific, home economics (B. A. and B. S.), agricultural science (B. S. A.), civil engineering, mechanical engineering, electrical engineering, mining engineering, chemical, and pharmaceutical (B. S.); two-year courses in agriculture and in pharmacy (Ph. C.); two weeks' courses in agriculture, animal husbandry, dairying, horticulture, poultry husbandry, bee keeping, and domestic science, respectively; and a six weeks' summer course in agriculture for teachers.

BOARD OF INSTRUCTION.

Brown Ayres, PH., D., LL. D., D. C. L., *President of the University; Physics and Astronomy.*

Cooper D. Schmitt, M. A., *Dean College; Math.*
Chas. E. Wait, C. E., M. E., PH. D., *Chem.*
H. B. Myers, Capt., U. S. A., *Mil. Sci. and Tactics; Comdt.*
Harcourt A. Morgan,* B. S. A., *Zool., Ent.*
Charles A. Keffer, M. S., *Hort., For.*
Samuel McC. Bain, A. B., *Bot.*
Henry J. Darnall, M. A., *German.*
L P. Shanks, PH. D., (*Assoc.*) *French, Spanish.*
J. T. Brown, jr., M. A., (*Assoc.*) *Engl.*
Jas. D. Hoskins, A. M., LL. D., *Hist., Econ.*
Charles H. Gordon, PH. D., *Geol., Min.*
James T. Porter, PH. D., (*Assoc.*) *Phys.*
Charles A. Mooers, B. S., *Agron., Agr. Chem.*
John B. Hamilton, M. A., (*Assoc.*) *Math.*
Catherine A. Mulligan, B. A., *Dean of Women;* (*Asst.*) *Home Econ.*
Charles O. Hill, A. B., PH. C., (*Asst.*) *Chem., Pharm.*
Gordon M. Bentley, B. S. A., M. A., (*Asst.*) *Zool., Ent.; State Ent.*
Samuel H. Essary, M. S., (*Asst.*) *Bot.*
Moses Jacob, V. M. D., *Instr. Vet. Sci.*
John F. Voorhees, *Instr. Met.*
Asa A. Shaeffer, PH. D., *Instr. Zool.*
Ernest S. Reynolds, PH. D., *Instr. Bot.*
Chas. H. Lane, B. S. A., M. A., *Instr. Agron.*
Wm. A. Knabe, *Bandmaster.*
Maurice Mulvania, M. S., *Asst. in Bact.*
Edwin C. Cotton, B. S., *Asst. in Ent.*
Louise G. Turner, A. B., *Asst. in Home Econ.*
Sherman Leavitt, M. S., *Asst. in Agr. Chem.*
William K. Hunter, B. S., *Asst. in Chem.*
W. H. Maynard, B. S., *Asst. in Chem.*
E. E. Gary, *Asst. in Chem. Lab.*
Thos. D. Morris, LL. B., *Bursar-Registrar.*
Sabra W. Vought, A. B., B. L. S., *Libr.*
Nelle Nicholas, *Asst. Registrar.*
Lilian B. Scoffin, *Sec. to Pres.*

Tennessee Agricultural Experiment Station, *Knoxville.*

Department of the University of Tennessee, under the control of the Board of Trustees.

STATION STAFF.

H. A. Morgan, B. S. A., *Dir.; Zool., Ent.*
S. McC. Bain, A. B., *Bot.*
C. A. Mooers, B. S., *Chem., Agron.*
C. A. Keffer, M. S., *Hort., For.*
S. E. Barnes,[a] M. S. A., *Field Expert in Dairying.*
Moses Jacob, V. M. D., *Vet.*
S. H. Essary, M. S., *Asst. Bot., Myc.*
G. M. Bentley, B. S. A., M. A., *Asst. Zool., Ent.*
Maurice Mulvania, M. S., *Asst. Bact.*
E. C. Cotton, B. S., *Asst. Ent.*
F. H. Denniss, B. S. A., *Dairyman.*
Sherman Leavitt, M. S., *Soil Chem.*
J. F. Voorhees, *Consulting Met.*
W. K. Hunter, B. S., *Asst. Chem.* (*Soil Invest.*).
W. H. Maynard, B. S., *Asst. Chem.* (*Fert. and Feeds*).
W. A. Campbell, *Farm Foreman.*
S. M. Spangler, *Asst. in Plat Work.*
Lake R. Neel, B. S. A., *Asst. in Cooperative Expts., Columbia.*
J. E. Converse, *Asst. in Cooperative Expts., Crossville.*
W. N. Rudd, *Asst. in Cooperative Expts., McMinnville.*
S. A. Robert, *Supt. West Tennessee Expt. Sta., Jackson.*
F. H. Broome, *Libr., Sec.*

[a] In cooperation with the U. S. Department of Agriculture.

TEXAS.

Agricultural and Mechanical College of Texas, *College Station.*

GOVERNING BOARD.

Board of Directors: K. K. Legett (*Pres.*), *Abilene;* T. D. Rowell (*V. Pres.*), *Jefferson;* A. Haidusek, *Lagrange;* J. M. Green, *Yoakum;* Walton Peteet, *Fort Worth;* E. R. Kone, *Austin;* W. P. Sebastian, *Breckenridge;* A. R. McCollum, *Waco.*

COURSES OF STUDY.

The courses of study are as follows: Four-year agricultural, mechanical engineering, textile engineering, electrical engineering, civil engineering, chemical engineering, and architectural engineering (B. S.); special and graduate courses; two-year courses in agriculture and textile engineering; a six weeks' summer school and a six weeks' summer normal school.

BOARD OF INSTRUCTION.

Robert T. Milner, *President.*

Charles Puryear, M. A., C. E., *Dean; Math.*
Mark Francis, D. V. M., *Vet. Sci.*
F. E. Giesecke, M. E., *Draw., Archi. Engin.*
J. C. Nagle, M. A., M. C. E., *Civil Engin.*
O. F. Chastain, *Hist.*
D. W. Spence, B. S., C. E., *Structural Engin.*
Edwin J. Kyle, M. S. A., *Hort.*
Wilmon Newell, M. S., *Ent.*
C. P. Fountain, A. M., *Engl.*
Oscar M. Ball, PH. D., *Bot., Bact.*
J. B. Bagley, B. S., T. E., *Textile Engin.*
George S. Fraps, PH. D., (*Assoc.*) *Agr. Chem.; State Chem.*
C. B. Campbell, PH. B., *Lang.*
J. C. Blake, PH. D., *Gen. Chem.*
E. J. Fermier, M. E., *Mech. Engin.*
C. H. Alvord, B. S., *Agr., Dairying; Supt. College Farm.*
John C. Burns, B. S., (*Actg.*) *Animal Husb.*
F. C. Bolton, B. S., *Elect. Engin.*
Andrew Moses, *Mil. Sci.; Comdt. of Cadets.*
J. W. Kidd, B. S., C. E., (*Assoc.*) *Phys.*
Robert F. Smith, (*Assoc.*) *Math.*
J. A. Lomax, A. B., (*Assoc.*) *Engl.*
R. H. Leavell, (*Assoc.*) *Hist.*
R. P. Marsteller, D. V. M., (*Asst.*) *Vet. Sci.*
W. P. Nelson, jr., (*Asst.*) *Chem.*
Hiram L. McKnight, (*Asst.*) *Agr.*
J. D. Garner, LL. B., A. M., *Instr. Math.*
James N. Michie, B. A., B. S., *Instr. Math.*
D. C. Jones, A. B., *Instr. Math.*
J. W. Mitchell, A. B., *Instr. Math.*
G. C. Embry, B. L., *Instr. Engl.*
Roy Follette, A. B., *Instr. Engl.*
W. H. Thomas, B. LIT., *Instr. Engl.*
A. Mitchell, B. C. E., *Instr. Draw.*
J. S. Dean, B. S., A. E., *Instr. Draw.*
G. A. Giest, B. S., *Instr. Draw.*
C. L. Wignall, B. S., *Instr. Draw.*
J. L. Thomas, B. S., *Instr. Dairying.*
Helge Ness, M. S., *Instr. Hort.*
S. E. Herrington, B. S., *Instr. Mech. Engin.; Supt. of Shops.*
J. A. Herrington, B. S., *Instr. Mech. Engin.*
W. E. Clark, *Asst. in Shops.*
L. L. Chappelle, *Instr. Forge Work.*
C. K. Standish, *Mach.*
J. E. Lear, B. S., E. E., *Instr. Elect. Engin.*
O. B. Wooten, B. S., *Instr. Phys.*
C. D. Johnson, B. A., *Instr. Phys.*
D. T. Griswold, B. S. A., *Instr. Animal Husb.*
F. H. MacDougal, PH. D., *Instr. Chem.*
C. S. Tatum, B. S., *Instr. Textile Engin.*
R. J. Potts, B. S., C. E., *Instr. Civil Engin.*
E. Scholl, B. S., *Instr. Ent.*
J. M. Carson, jr., B. S., *Treas.*
A. B. Wilcox, *Sec.*
J. H. Quarles, *Libr.*

Texas Agricultural Experiment Station, *College Station.*

Department of the State Agricultural and Mechanical College of Texas, under the control of the Board of Directors.

STATION STAFF.

H. H. Harrington, *Dir.*
W. C. Welborn, M. P. A., *V. Dir.; Agr.*
J. W. Carson, B. S., *Asst. to Dir., State Feed Insp.*
Mark Francis, D. V. M., *Vet.*
G. S. Fraps, PH. D., *Chem.; State Chem.*
J. C. Burns, B. S., *Animal Husb.*
Helge Ness, M. S., *Hort.*
Wilmon Newell, M. S., *Ent.*
N. C. Hamner, B. S., *Asst. Chem.*
J. B. Rather, B. S., *Asst. Chem.*
H. L. McKnight, *Asst. Agr.*
R. P. Marsteller, D. V. M., *Asst. Vet.*
E. Scholl, B. S., *Asst. Ent.*
D. T. Griswold, B. S. A., *Asst. Animal Husb.*
A. B. Connor, B. S., *Supt. Cooperative Sta., Chillicothe.*
W. S. Hotchkiss, *Supt. State Sta., Troup.*
E. C. Carlyle, B. S., *Asst. Chem.* (*Feed Control*).
A. C. Deiler, *Asst. Chem.* (*Feed Control*).
T. L. Ogier, B. S., *Asst. Chem.* (*Feed Control*).

Prairie View State Normal and Industrial College, *Prairie View.*

GOVERNING BOARD.

Board of Directors: K. K. Legett (*Pres.*), *Abilene;* T. D. Rowell (*V. Pres.*), *Jefferson;* A. Haidusek, *Lagrange;* W. P. Sebastian, *Breckenridge;* Walton Peteet, *Dallas;* A. R. McCollum, *Waco;* E. R. Kone (*ex officio*), *Austin;* R. T. Milner (*ex officio*), *College Station;* John M. Green, *Yoakum.*

COURSES OF STUDY.

A normal industrial course extending through four years and optional along agricultural or mechanical lines is offered. Diplomas are granted. Special courses in mechanic arts, agriculture and horticulture, and dairying are provided.

BOARD OF INSTRUCTION.

E. L. Blackshear, *Principal; Economics and History of Industry.*

J. H. Crawford, *Nat. and Phys. Sci.*
J. T. Hodges, *Pedag., Hist.*
John W. Hoffman, *Agr.*
C. H. Griggs, *Engl.*
N. A. Banks, *Math.*
C. H. Waller, *Asst. in Agr.*
Mrs. T. M. R. Hunt, *Matron.*
Effie E. Houseworth, *Sew., Millinery.*
Paul Bledsoe, (*Assoc.*) *Sci.; Libr.*
R. L. Isaacs, (*Assoc.*) *Math.*
W. C. Rollins, *Bookkeeper, Treas.*
T. T. Thompson, *Sec.*
Martha C. Rodgers, *Dept. of Cooking and Dom. Econ.*
J. H. Morrison, M. D., *Physician.*
A. E. Flewellen, jr., *Blacksm., Elect.*
Miss A. L. Evans, *Asst. in Engl.*
Gussie Adams, *Asst. in Dom. Sci.*
C. L. Foster, *Asst. in Blacksm.*
E. W. Madison, *Tailoring.*
R. F. Johnson, *Shoemaking.*
A. D. Ewell, *Instr. Laundering; Foreman of Laundry Plant.*
Mrs. R. L. Ewell, *Asst. in Laundering.*
Miss M. V. Chestnut, *Asst. in Sew.*
W. B. Woodruff, *Farm Supt.; Instr. Broom and Mattress Making.*
C. Belle Drisdale, *Gen. Asst.*

UTAH.

Agricultural College of Utah, *Logan.*

GOVERNING BOARD.

Board of Trustees: Lorenzo N. Stohl (*Pres.*), *Brigham;* J. L. Coburn (*Financial Sec.*), *Logan;* A. M. Fleming (*Treas.*), *Logan;* Mrs. Susa Y. Gates, *Salt Lake City;* Thomas Smart,* *Logan;* J. Q. Adams, *Logan;* Elizabeth C. McCune (*V. Pres.*), *Salt Lake City;* J. W. N. Whitecotton, *Provo;* J. T. Caine, jr. (*Recording Sec. and Auditor*), *Logan;* Mathonihah Thomas,* *Salt Lake City;* John Dern, *Salt Lake City;* J. C. Sharp, *Salt Lake City.*

COURSES OF STUDY.

There are three-year manual-training courses in agriculture and domestic science, a three-year high school course in commerce, and a four-year manual-training course in mechanic arts, each leading to a certificate of graduation; four-year courses in agronomy, horticulture and entomology, animal husbandry and dairying, irrigation and drainage, forestry, domestic science, commerce, and general science, each leading to the degree of B. S.; a three-year college-preparatory course; also short winter courses in agriculture, domestic science and arts, mechanic arts, commerce, and forestry; a summer school of five weeks; and a farmers' round-up.

BOARD OF INSTRUCTION.

John A. Widtsoe, PH. D., *President.*

Elmer D. Ball, PH. D., *Dir. School of Agr.*
Willard S. Langton, B. S., *Math.*
Joseph W. Jenson, S. B., *Irrig. Engin.; Actg. Dir. School of Mech. Arts.*
James C. Hogenson, M. S. A., *Agron.*
Walter W. McLaughlin,[a] B. S., *Irrig. and Consulting Drainage.*
Hyrum J. Frederick, D. V. M., *Vet. Sci.*
John T. Caine, III, M. S. A., *Animal Husb.*
George Thomas, A. M., PH. D., *Econ.; Dir. School of Commerce.*
Frank R. Arnold, A. M., *Mod. Lang.*
Lochlin W. Caffey, Lieut., U. S. A., *Mil. Sci. and Tactics.*

[a] In the service of the U. S. Government.

Robert Stewart, PH. D., *Chem.*
William Peterson,[a] B. S., *Geol., Phys.*
John T. Caine, jr., B. S., *Registrar, Sec. of Faculty.*
Christian M. Larsen, A. M., *Engl.*
Samuel H. Goodwin, B. D., *Econ. Ornith.*
Lewis A. Merrill, B. S., (*Salt Lake City*) *Dir. Agr. Ext. Work.*
Clayton T. Teetzel, LL. B., *Phys. Ed.*
Edward G. Titus, M. S., *Zool., Ent.*
Franklin L. West, B. S., *Phys.*
Wm. H. Homer, jr., M. S. A., *Hort.*
Ellen A. Huntington, A. M., *Dir. School of Dom. Sci.; Dom. Sci.*
Blanche Cooper, B. S., (*Assoc.*) *Dom. Sci.*
Calvin Fletcher, B. Pd., (*Asst.*) *Art.*
Rhoda B. Cook,[a] (*Asst.*) *Dom. Arts.*
Mary Parmelee, (*Asst.*) *Dom. Arts.*
Elmer G. Peterson,[a] B. S., A. M., (*Asst.*) *Zool., Ent.*
T. E. Woodward, B. S., (*Asst.*) *Dairy Husb.*
Joshua P. Goddard, A. B., C. P. A., (*Asst.*) *Accts.*
Amanda Holmgren, B. S., (*Asst.*) *Engl.*
Jos. E. Greaves, M. S., (*Asst.*) *Agr. Chem.*
Chas. P. Smith, B. S., A. M., (*Asst.*) *Bot.*
N. Alvin Pedersen, A. B., (*Asst.*) *Engl.*
Geo. W. Thatcher, *Music.*
Chas. W. Porter, B. S., A. M., (*Asst.*) *Chem.*
Isaac B. Evans, A. B., (*Asst.*) *Hist.*
Harry C. Parker, B. S., (*Asst.*) *Geol.*
Geo. B. Hendricks, A. M., (*Asst.*) *Econ.*
Louie E. Linnartz, *Instr. Music.*
S. E. Clark, *Instr. Piano, Cornet.*
Roy Rudolph, B. S., *Instr. Math.*
Edward P. Pulley, B. S., *Instr. Mech. Engin.*
Sarah Huntsman, *Instr. Engl.*
Charlotte Kyle, A. M., *Instr. Engl., Hist.*
Jonathan S. Powell, *Instr. Art.*
Hazel Love, B. S., *Instr. Dom. Sci.*
Geo. M. Turpin, B. S., *Instr. Poultry Husb.*
W. L. Walker, B. S., *Instr. Chem., Math.*
Charlotte Stewart, A. B., *Instr. Engl. and Phys. Ed. for Women.*
Ernest P. Hoff, B. S., *Asst. in Ent.*
Edward H. Walters, B. S., *Asst. in Chem.*
Lizzie O. McKay, B. S., *Asst. in Dom. Sci.*
Elizabeth C. Smith, B. L., *Libr.*
Hattie Smith, *Asst. Libr.*
John L. Coburn, B. S., *Financial Sec.; Instr. Math.*
Alma M. Davis, *Instr. Sten., Typew.*
Jean Crookston, *Asst. in Sew.*

Agricultural Experiment Station, *Logan.*

Department of the Agricultural College of Utah, under the control of the Board of Trustees.

STATION STAFF.

E. D. Ball, PH. D., *Dir.; Ent.*
H. J. Frederick, D. V. M., *Vet.*
John T. Caine, III, M. S. A., *Animal Husb.*
Robert Stewart, PH. D., *Chem.*
J. C. Hogenson, M. S. A., *Agron.*
S. H. Goodwin, B. D., *Econ. Ornith.*
E. G. Titus, M. S., *Ent.*
L. A. Merrill, B. S. (*Salt Lake City*), *Agron.; in charge of Arid Farms.*
T. E. Woodward, B. S., *Dairyman.*
W. H. Homer, jr., M. S. A., *Actg. Hort.*
J. E. Greaves, M. S., *Assoc. Chem.*
F. D. Farrell, B. S., *Asst. Agron.*
R. A. Hart, B. S., *Asst. Drainage Engin.*
G. M. Turpin, B. S., *Asst. Poultryman.*
W. L. Walker, B. S., *Asst. Chem.*
E. H. Walters, B. S., *Asst. Chem.*
E. P. Hoff, B. S., *Asst. Ent.*
P. V. Cardon, B. S., *Asst. Agron.*

VERMONT.

University of Vermont and State Agricultural College, *Burlington.*

GOVERNING BOARD.

Board of Trustees: M. H. Buckham* (*Pres.*), *Burlington;* Gov. Geo. H. Prouty (*ex officio*), *Newport;* E. C. Mower (*Sec.*), *Burlington;* C. P. Smith (*Treas.*), *211 College street, Burlington;* H. H. Powers, *Morrisville;* J. H. Converse, *Philadelphia, Pa.;* Robert Roberts, *Burlington;* W. S. Webb, *Shelburne;* D. P. Kingsley, *New York City;* B. F. Fifield, *Montpelier;* N. W. Fisk, *Isle La Motte;* Redfield Proctor, *Proctor;* E. J. Ormsbee,* *Brandon;* W. P. Dillingham, *Montpelier;* G. T. Chaffee, *Rutland;* G. S. Fassett,* *Enosburg;* Cassius Peck,* *Burlington;* C. A. Catlin, *Providence, R. I.;* J. G. McCullough, *Bennington;* F. T. Kidder, *Woodstock;* Z. M. Mansur, *Newport;* George Aitkin, *Woodstock.*

COURSES OF STUDY.

The four-year academical courses are eight in number: Classical (B. A.), literary-scientific (Ph. B.), commerce and economics, civil and sanitary engineering, electrical engineering, mechanical engineering, chemical, and agricultural (B. S.), the particular course being specified in the diploma. A two-year course in agriculture, an eight weeks' winter course in agriculture and dairying, a four weeks' summer school for teachers, and a farmers' week are also offered.

[a] On leave.

BOARD OF INSTRUCTION.

Matthew H. Buckham, D. D., LL. D., *President; Political and Social Philosophy.*

George H. Perkins, PH. D., *Dean Dept. Arts; Nat. Hist., Geol., Anthropology; State Geol.*
Samuel F. Emerson, PH. D., *Hist., Sociol.*
Nathan F. Merrill, PH. D., *Chem.; Dean Dept. Chem.*
Josiah W. Votey, C. E., *Dean Dept. Engin.; Civil Engin.*
Lewis R. Jones,[a] PH. D., *Bot.*
Joseph L. Hills, SC. D., *Dean Dept. Agr.; Agron.*
Frederick Tupper, jr., PH. D., LITT. D., *Engl. Lang. and Lit.*
Allison W. Slocum, M. A., *Phys.*
J. F. Messenger, PH. D., *Sci. and Art of Teaching.*
Frank A. Rich, V. S., M. D., *Vet. Sci.*
R. M. Washburn, B. AGR., M. S., *Dairy Husb.*
A. R. Gifford, A. M., *Intellectual and Moral Philos.*
Carlton B. Stetson, M. A., *German Lang. and Lit.*
M. B. Cummings, M. S. A., PH. D., *Hort.*
Chas. W. Mixter, PH. D., *Polit. Econ.*
E. C. Jacobs, B. S., *Chem. and Min.; Sec.*
A. B. Myrick, PH. D., *Romance Lang. and Lit.*
Bertha M. Terrill, A. M., *Home Econ.*
Daniel L. Tate, *Mil. Sci. and Tactics.*
James Eaton, *Instr. Mech. Pract.*
Jules Demolins, A. M., (*Asst.*) *Math.*
Howard A. Edson, B. S., *Instr. Bact.*
Wm. T. Jackman, A. M., (*Asst.*) *Econ. and Accounting.*
Henry F. Perkins, PH. D., (*Asst.*) *Zool.*
Henry B. Shaw, PH. B., LL. B., *Lect. on Coml. Law.*
Daniel C. Munro, A. B., *Instr. Hyg.; Phys. Dir.*
Max W. Andrews, M. A., (*Asst.*) *Engl. and Elocution; Registrar.*
Geo. H. Burrows, B. S., (*Asst.*) *Chem.*
H. E. Cunningham, A. B., *Instr. Sci. German.*
Austin F. Hawes, A. B., M. F., *Lect. in For.*
Chas. A. Kern, B. S., (*Asst.*) *Chem.*
John P. Helyar, B. S., *Instr. Bot.*
Helen B. Shattuck, A. B., *Libr.*
Cyrus G. Pringle, A. M., SC. D., *Curator of Herbarium.*

Vermont Agricultural Experiment Station, *Burlington.*

Department of University of Vermont and State Agricultural College, under the control of the Board of Trustees.

STATION STAFF.

J. L. Hills, SC. D., *Dir.*
L. R. Jones,[a] PH. D., *Bot.*
M. B. Cummings, PH. D., *Hort.*
F. A. Rich, V. S., M. D., *Vet.*
Austin F. Hawes, A. B., M. F., *For.; State For.*
Cassius Peck, *Farm Supt.*
Chas. H. Jones, M. S., *Chem.*
R. M. Washburn, B. AGR., M. S., *Dairy Husb.*
H. A. Edson, B. S., *Bact.*
B. F. Lutman, PH. D., *Asst. Bot.*
Jos. W. Wellington, B. S., *Asst. Hort.*
P. A. Benedict, B. S., *Asst. Chem.*
Jennie L. Rowell, B. S., *Asst. Chem.*
W. F. Hammond,[b] *Expert in Horse Breeding (Middlebury).*
Stanley Hargreaves, *Gard.*
C. P. Smith, *Treas.*

VIRGINIA.

Virginia Agricultural and Mechanical College and Polytechnic Institute, *Blacksburg.*

GOVERNING BOARD.

Board of Visitors: J. C. Carrington,* *Charlotte Court House;* C. G. Kizer,* *Norfolk;* J. S. Musgrave, *Pinopolis;* H. M. Smith, jr.,* *Richmond;* P. F. St. Clair,* *Bane;* L. E. Johnson, *Roanoke;* R. J. Noell, *East Radford;* L. D. Kline, *Vaucluse;* J. D. Eggleston (*Supt. of Publ. Instr., ex officio*), *Richmond;* J. M. Barker (*Pres. State Bd. of Agr. and Immigration, ex officio*), *Axton;* C. I. Wade (*Sec.*), *Christiansburg.*

COURSES OF STUDY.

The courses of study are as follows: Four-year agricultural, horticultural, applied chemistry, preparatory veterinary medicine, applied geology, metallurgy and metallography, civil engineering, mechanical engineering, electrical engineering, and mining engineering (B. S.); one-year course in practical agriculture and mechanics (certificate), and a farmers' winter course.

---

[a] Resigned, to take effect February 1, 1910.
[b] In cooperation with the U. S. Department of Agriculture.

BOARD OF INSTRUCTION.

Paul B. Barringer,* M. D., LL. D., *President of the College.*

John M. McBryde, PH. D., SC. D., LL. D., *Pres. Emeritus.*
Ellison A. Smyth, jr., A. M., LL. D., *Biol., Zool.*
Theo. P. Campbell, A. M., *Mod. Lang.*
Robert J. Davidson, A. M., *Agr. Chem.; Dean of Sci. Dept.*
Richard H. Hudnall, M. A., PH. D., *Engl.*
Charles E. Vawter, B. S., *Phys.*
J. R. Parrott, *Mech. Arts; Dir. of Shops.*
George W. Walker, A. M., *Lat.*
Francis D. Wilson, PH. D., *Inorg. Chem.*
John E. Williams, PH. D., *Math.*
Harvey L. Price, M. S., *Hort.; Dean of Agr. Dept.*
Robert A. Marr, C. E., *Dean of Engin. Dept.; Agr. Engin.*
Wm. R. Dashiell, Capt., U. S. A., *Mil. Sci. and Tactics; Comdt. of Cadets.*
William E. Barlow, PH. D., *Dean of Graduate Dept.*
William H. Rasche, *Graphics.*
Carol M. Newman, PH. D., *Rhet.*
James B. McBryde, A. B., C. E., *Org. Chem.*
S. W. Fletcher, PH. D., *Expt. Agr.*
Lyman Carrier, B. S., *Agron.*
Roy J. Holden, M. S., *Geol. and Min.*
Howard S. Reed, PH. D., *Myc., Bact.*
Walton K. Brainerd, B. S., *Dairy Husb.*
Wm. D. Saunders, *Dir. of Creamery.*
Nelson D. Mayo, M. S., D. V. S., *Animal Husb. Vet. Sci.*
Alfred W. Drinkard, M. S., (*Assoc.*) *Hist. and Econ.*
Harry E. Allen, B. S. A., (*Assoc.*) *Animal Husb.*
Charles W. Holdaway, *Instr. Dairy Husb.; Supt. of Creamery.*
Thomas B. Hutcheson, M. S., *Instr. Agron.*
H. S. Stahl, B. S., *Instr. Bot.*
E. B. Fred,[a] M. S., *Instr. Myc.*
Charles I. Wade, *Treas.*
Mary G. Lacy, *Libr.*
Wm. F. Henderson, M. D., *Surgeon.*

Virginia Agricultural Experiment Station, *Blacksburg.*

Department of Virginia Agricultural and Mechanical College and Polytechnic Institute, under the control of the Executive Committee of the Board of Visitors.

STATION STAFF.

S. W. Fletcher, PH. D., *Dir.*
H. L. Price, M. S., *Hort.*
W. B. Ellett, PH. D., *Chem.*
Lyman Carrier, B. S., *Agron.*
W. K. Brainerd, B. S., *Dairyman.*
H. S. Reed, PH. D., *Plant Path.*
N. S. Mayo, M. S., D. V. S., *Animal Husb.*
T. B. Hutcheson, M. S., *Supt. Plat Expts.*
W. A. P. Moncure, M. S., *Hort. By-product Invest.*
H. H. Hill, B. S., *Asst. Chem.*
E. B. Fred,[a] M. S., *Asst. Bact.*
C. W. Holdaway, *Asst. Dairyman.*
A. W. Drinkard, jr., M. S., *Asst. Hort.*
B. G. Anderson, B. S. (*Appomattox*), *Supt. Tobacco Expts.*
W. L. Mallory, B. S., *Asst. Animal Husb.*
H. E. Allen, B. S. A., *Asst. Animal Husb.*
C. I. Wade, *Treas.*

Virginia Truck Experiment Station, *Norfolk.*

Cooperating with the Virginia Agricultural Experiment Station and the United States Department of Agriculture.

GOVERNING BOARD.

P. B. Barringer (*Pres., ex officio*), *Blacksburg;* W. B. Carney, *Churchland;* J. C. Carrington, (*ex officio*), *Charlotte Court House;* J. M. Barker (*Pres. State Bd. of Agr. and Immigration, ex officio*), *Axton;* John T. Griffin, *Portsmouth;* N. W. Nock, *Onancock.*

STATION STAFF.

T. C. Johnson, B. S. AGR., A. M., *Dir.; Hort.*
Chas. S. Heller, B. S., *Asst. Hort.*
Eugene G. Smyth, *Asst. Ent.*
Geo. R. Parrish, *Treas.*

COOPERATING STAFF.

L. C. Corbett, M. S., *Hort., U. S. Dept. of Agr.*
W. A. Orton, M. S., *Path., U. S. Dept. of Agr.*
F. H. Chittenden, D. SC., *Ent., U. S. Dept. of Agr.*

[a] On leave.

Hampton Normal and Agricultural Institute, *Hampton.*

GOVERNING BOARD.

Board of Trustees: R. C. Ogden (*Pres.*), *New York City;* H. B. Frissell (*Sec.*), *Hampton;* Alexander McKenzie (*First V. Pres.*), *Cambridge, Mass.;* W. N. McVickar (*Second V. Pres.*), *Providence, R. I.;* G. F. Peabody, *New York City;* F. G. Peabody, *Cambridge, Mass.;* C. E. Bigelow, *New York City;* A. C. James, *New York City;* W. J. Schieffelin, *New York City;* L. L. Lewis, *Richmond;* W. W. Frazier, *Philadelphia;* J. W. Cooper, *New York City;* A. M. Huntington, *New York City;* B. B. Munford, *Richmond;* H. H. Hanna, *Indianapolis, Ind.;* Frank W. Darlington, *Hampton;* William Howard Taft, *Washington, D. C.*

State Curators: N. W. Nock, *Onancock;* H. L. Schmelz, *Hampton;* J. C. Carter, *Houston;* W. P. Burrell, *Richmond;* J. T. Lewis; *Richmond;* J. M. Clark, *Danville.*

COURSES OF STUDY.

The academic course of study requires four years for completion, and a diploma is given on graduation. There are also trade and agricultural courses for undergraduates, requiring three years. The postgraduate courses are agriculture, three years; trades, three years; normal, domestic science and art, two years; and business, one year.

BOARD OF INSTRUCTION.

Hollis B. Frissell, D. D., LL. D., *Principal; Mental Philosophy.*

Herbert B. Turner, D. D., *Chaplain; Bible Lessons.*
Charles K. Graham, *Dir. Agr. Dept.*
Albert Howe, *Supt. of Grounds and Buildings.*
Wm. H. Scoville, *Sec.*
Martha M. Waldron, M. D., *Resident Physician; Physiol. and Hyg.*
Elizabeth Hyde, *Lady Prin.*
Frank K. Rogers, *Treas.*
Harry J. De Yarmett, *Dir. Armstrong and Slater Memorial Trade School.*
Geo. P. Phenix, *in charge of Normal and Academic Dept.; V. Prin.*
Robt. R. Moton, *Comdt. of Cadets.*
Wm. A. Aery, *Hist.; Editor Southern Workman.*
Rose Alden, *Engl. Lit., Current Events, Geog., Arith.*
Mary J. Arthur, *Cooking.*
Lynn F. Ayer, *Instr. Animal Husb.*
Susan A. Berry, *Asst. in Dairy, Shellbanks Farm.*
Maria W. Bishop, *Engl., Rhet., Geog., Arith.*
George W. Blount, *Bookkeeping.*
Mary A. Bradley, *Matron; Sew.*
Mary B. Briggs, *Bible Hist., Engl. Lit.*
Ada Catlin, *Matron.*
Sarah A. Clements, *in charge of Diet Kitchen; Matron.*
Jessie Coope, *Gymnastics.*
Bessie H. Cooper, *Sew.*
George J. Davis, *Asst. Mgr. Home Farm.*
Jennie E. Davis,[a] *in charge of Nature Study Bureau and Publications.*
Bessie L. Drew, *Instr. Vocal Music.*
Clara E. Emerson, *Engl., Bible Hist., Reading.*
J. E. England, *in charge of Laundry.*
Marie E. Fisk, *Dom. Sci.*
Margaret Fletcher, *El. Branches, Shellbanks Farm.*
Mary T. Galpin, *in charge of Abby May Home.*
Fannie Gibson, *Instr. Sew., Cooking.*
Annie M. Goodrich, *Engl., Bible, Hist.*
Ethel Gowans, *Instr. Agr.*
Henrietta L. Graves, *Phys., El. Sci.*
Jennie H. Hart, *Sew.*
Mrs. E. O. Hawkes, *Phonics, Engl., Arith., Geog.*
Harriett S. Hayward, *Asst. to V. Prin.*
Leonora E. Herron, *Libr.*
Sherman P. Hollister, *Hort.*
Mary E. Houston, *Current Events, Engl. Lit., Geog., Arith.*
Ethelyn L. Hull, *Math., Engl., Reading.*
Charles S. Isham, *Phys.*
Mrs. Lucy M. B. Jameson, *Matron.*
Emma Johnston, *Math.*
Catherine B. Jones, *Phonics, Engl., Physiol., Reading.*
Margaret V. Jones, *Engl., Geog., Reading.*
Thomas J. Jones, *in charge of Hist., Econ., Civics.*
Walter J. Jones, *Agr. Farm Engin.*
H. B. Jordan, *Asst. Mgr. of Shellbanks Farm.*
Louise Kingsbury, *Dom. Sci.*
Sarah Lane, *Phonics, El. Sci., Physiol., Arith., Engl., Reading.*
Mary Lang, *Asst. in Laundry.*
Anna S. Low, *Engl., Phonics, Physiol., Arith.*
Flora F. Low, *in charge of Math.*
Helen W. Ludlow, *Editor Southern Workman.*
Mary McLean, *Instr. Night School.*
Helen McPherson, *Current Events, Engl., Geog.*

[a] On leave.

Leigh R. Miner, *Draw.*
Grace L. Morrison, *Math., Engl., Geog., Bible.*
Mary W. Nettleton, *Bible, Geog., Engl., Physiol.*
Caroline D. Pratt, *in charge of Dom. Art Dept.*
Alice M. Price, *El. Sci., Physiol.*
Eliza Quick, *Dom. Sci.*
Adaline B. Rockwell, *Asst. Libr.*
Mrs. Lucy M. Sisson, *Matron at Shellbanks Farm.*
James T. Smith, *Florist.*
Clara M. Snow, *in charge of Shellbanks Farm School.*
Arthur E. Spear, *Instr. Poultry.*
Mrs. J. A. Stevens, *Matron.*
Harriet S. Stone, *Instr. Vocal Music.*
Gertrude Sugden, *Asst. Libr.*
E. Jeannette Taylor, *Matron.*
Wm. O. Tessman, *Instr. Band Music.*
Ida A. Tourtellot, *Draw., Engl., Math., Geog.*
Helen L. Townsend, *Matron in charge of Winona Lodge.*
Jessie A. Townsend, *Matron.*
Margaret W. Twitchell, *Matron.*
Marie Ulsamer, *Math.*
John Urquhart, *Animal Indus.*
Hilda E. Vaughan, *Phonics, Arith., Engl., Geog.*
Capt. Allen Washington, *Asst. Comdt. of Cadets.*
Barton White, *Instr. Gard.*
Sarah White, *Sew.*
Emily H. Williams, *Engl., Arith., Geog., Reading.*

WASHINGTON.

The State College of Washington, *Pullman.*

GOVERNING BOARD.

Board of Regents: Gov. M. E. Hay* (*ex officio*), *Olympia;* Lee A. Johnson* (*Pres.*), *Sunnyside;* J. J. Browne* (*V. Pres.*), *Spokane;* J. S. Anderson,* *Sunnyside;* Peter McGregor,* *Spokane;* Frank J. Barnard* (*Treas.*), *429 Walker Building, Seattle;* E. A. Bryan* (*Sec., ex officio*), *Pullman.*

COURSES OF STUDY.

Four-year courses of study are offered in the following lines: Mathematics and civil engineering, mathematics and physics, domestic economy, pharmacy, mining engineering, chemistry, botany, zoology, agronomy, animal husbandry and dairying, horticulture, veterinary science, economic science and history, electrical engineering, hydro-electrical engineering, and mechanical engineering (B. S.); English language and literature, geology, modern languages, Latin, education, and architecture (B. A.); three-year courses are offered in veterinary science (D. V. S.), in music (B. Mus.), and in elementary science; two-year courses in pharmacy (Ph. G.), forestry, art, bookkeeping, and stenography; a one-year course in artisan work; short courses in agriculture, dairying, and assaying, and a six weeks' summer science school for teachers.

BOARD OF INSTRUCTION.

Enoch A. Bryan, A. M., LL. D., *President.*

Osmar L. Waller, PH. M., *Math., Civil and Irrig. Engin.*
Elton Fulmer, M. A., *Chem.; State Chem.*
Sofus B. Nelson, D. V. M., *Vet. Sci.; State Vet.*
Charles A. Barry, M. A., *Mod. Lang.*
Albert E. Egge, PH. D., *Engl. Lit.*
Walter G. Beach, A. M., *Econ. Sci. and Hist.*
R. Kent Beattie, B. S., M. A., *Bot.*
Walter S. Thornber, M. S., *Hort.*
Gertrude McKay, B. S., *Dom. Econ.*
Solon Shedd, M. S., *Geol.*
George Severance, B. S., *Agron.; Actg. Head Dept. of Agr.*
Axel L. Melander, M. S., *Ent.*
Harry E. Mitchell, Capt., U. S. A., *Mil. Sci. and Tactics.*
Charles E. Stangeland, PH. D., *Polit. Econ.*
Wm. T. Shaw, B. AGR., M. S., *Zool.; Curator of Museum.*
Wyatt E. Ralston, D. V. M., *Physiol. and Bact.*
Charles Timblin, M. A., *Math.*
Chas. A. Isaacs, M. A., (*Assoc.*) *Math., Civil Engin.*
Roscoe W. Thatcher, B. S., M. A., (*Assoc.*) *Chem.*
W. T. McDonald, M. S. A., *Animal Husb.*
Earl E. Wegner, D. V. S., (*Asst.*) *Anat. and Surgery.*
Allison E. Gaw, PH. D., (*Asst.*) *Engl.*
H. B. Humphrey, PH. D., (*Asst.*) *Bot.*
Frank A. Chalfant, A. M., (*Asst.*) *German.*
Samuel Morris, M. A., (*Asst.*) *Chem.*
Frank O. Kreager, A. B., (*Asst.*) *Engl.*
Howard B. Berry, M. S., *Instr. Agron.*
Ira P. Whitney, B. S., *Instr. Dairying.*
Olive F. McKay, *Instr. Dom. Art.*
Leila W. Hunt, A. B., B. S., *Instr. Dom. Econ.*
Samuel W. Collett, M. S., *Instr. Bot.*

Christian H. Goetz, B. S., *Instr. For.*
Clare C. Todd, B. S., *Instr. Chem.*
Henry L. Walter, A. B., *Instr. Chem.*
Oscar M. Olson, *Instr. Farmers' Insts.*
Justinus J. L. Heldring, D. C. M., *Instr. Vet. Sci.; House Surgeon.*
K. A. Kirkpatrick, B. S. A., *Instr. Hort.*
Claude W. Lawrence, B. S., *Instr. Agron.*
Wm. G. Brierly, B. S. A., *Instr. Hort. (Inst. Worker).*
Chas. H. Schuele, B. S., *Instr. Chem.*
Josephine M. Hoeppner, PH. G., B. S., M. A., *Instr. German.*
S. C. Roberts, B. S., *Instr. Phys.*
W. Blacklock, *Flor.*
W. D. Foster, *Supt. of Farm, Foreman of Agr. Dept.*
Asa D. Dickenson, *Libr.*
Stella M. Wilson, *Asst. Libr.*
Frank J. Barnard, B. S., *Registrar.*

Washington Agricultural Experiment Station, *Pullman.*

Department of the State College of Washington, under the control of the Board of Regents.

STATION STAFF.

R. W. Thatcher, B. S., M. A., *Dir.; Chem.; Supt. of Farmers' Insts. and Ext. Work.*
Elton Fulmer, M. A., *State Chem.*
S. B. Nelson, D. V. M., *Vet.*
O. L. Waller, PH. M., *Irrig. Engin.*
W. S. Thornber, M. S., *Hort.*
R. Kent Beattie, B. S., M. A., *Bot.*
A. L. Melander, M. S., *Ent.*
Geo. Severance, B. S., *Agron.*
C. W. Lawrence, B. S., *Cerealist.*
W. H. Lawrence, A. B., M. S., *Plant Path.; Supt. Substa., Puyallup.*
C. C. Thom, M. S. A., *Soil Phys.*
W. T. McDonald, M. S. A., *Animal Husb.*
H. B. Humphrey, PH. D., *Plant Path.*
W. T. Shaw, B. AGR., M. S., *Asst. Zool.*
G. A. Olson, B. S. A., M. S., *Asst. Chem.*
Alex. Carlyle, *Asst. Cerealist.*
E. L. Peterson, B. S., *Asst. Soil Phys.*
Rex N. Hunt, M. S., *Asst. Bot.*
W. H. Hein, M. A., *Asst. Hort.*
W. L. Hadlock, B. S., *Asst. Chem.*
H. L. Blanchard, *Asst. Supt. Substa., Puyallup, in charge of Dairy and Poultry Invest.*
O. M. Olson, *Deputy Supt. of Farmers' Insts.*
H. W. Sparks, *Supervisor Demonstration Farms.*
W. D. Foster, *Supt. College Farm.*

WEST VIRGINIA.

College of Agriculture of West Virginia University, *Morgantown.*

GOVERNING BOARD.

Board of Regents: M. P. Shawkey * (*Pres.*), *Charleston;* George S. Laidley,* *Charleston;* J. B. Finley,* *Parkersburg;* M. C. Lough,* *Fairmont;* G. A. Northcott,* *Huntington.*

COURSES OF STUDY.

The four-year courses with degrees are: All courses leading to general culture, B. A. and B. S.; course in mechanical engineering and electrical engineering, B. S. E. E., B. S. M. E.; course in civil engineering, B. S. C. E.; mining engineering, B. S. E. M.; scientific course in agriculture, B. S. Agr.; and the law course, LL. B. The following courses are also offered: Veterinary science (three years), leading to D. V. S.; agriculture (three years); domestic science (two years); law (two years); commercial (two years); agriculture (one year); preparatory, graduate, music, art, special courses; twelve weeks' courses in agriculture, horticulture, animal industry, poultry industry, and dairying; a special winter agricultural course of four weeks; and a six weeks' summer school.

BOARD OF INSTRUCTION.

Daniel B. Purinton, PH. D., LL. D., *President of the University; Philosophy.*

Thomas C. Atkeson, PH. D., *Dean Agr. College; Agr.*
Alexander R. Whitehill, PH. D., *Gen. and Anal. Chem.; Treas.*
Jas. S. Stewart, M. S., *Math. Emeritus; Sec.*
John A. Eiesland, PH. D., *Math.*
Samuel B. Brown, A. M., *Geol., Min.*
Albert M. Reese, PH. D., *Zool.*
H. A. Eaton, A. B., LL. B., Capt., *Comdt. of Cadets; Mil. Sci.*
Arthur S. Graves, A. B., *Instr. German.*
Wm. J. Leonard, (*Assoc.*) *Fine Arts.*
E. W. Waggoner, PH. D., *Phys.*
Wm. J. White, *Auditor.*
Robert A. Armstrong, A. M., L. H. D., *Engl. Lang. and Lit.*

Chas. H. Patterson, A. M., *Rhet.*
Bert H. Hite, M. S., *Agr. Chem.*
W. E. Rumsey, B. S. AGR., *Econ. Bot.*
W. M. Munson, PH. D., *Hort.*
Alfred J. Hare, M. A., *Lat., Lit.; Prin. Prep. School; Registrar.*
Neva A. Scott, *Dom. Sci.*
Chas. A. Lueder, D. V. S., *Instr. Dairying and Animal Husb.*
John N. Simpson, A. M., M. D., *Anat., Physiol.*
Justin F. Grant, M. D., *Anat., Path.*
Frederick L. Kortright, D. Sc., *Chem.*
John L. Sheldon, PH. D., *Bact., Plant Path., Bot.*
Frederick W. Truscott, PH. D., *Germanic Lang. and Lit.*
Madison Stathers, PH. D., (*Asst.*) *Romance Lang. and Lit.*
G. L. Crane, (*Asst.*) *Romance Lang.*
Horace Atwood, M. S. AGR., *Instr. Poultry Indus.*
A. W. Nolan, A. B., (*Asst.*) *Hort., For., Ent.*
Chas. W. Springer, V. M. D., *Instr. Vet. Sci.*
F. R. Whipple, M. V. D., *Instr. Vet. Sci.*
C. C. Holden, M. A., *Instr. Romance Lang.*
Clarence Post, A. B., *Instr. Phys.*
D. W. Working, B. S., A. M., *Supt. Agr. Ext.*
Lucy E. Fay, A. B., B. L. S., *Libr.*
Fred'k L. Emory, M. E., *Supt. of Buildings and Grounds.*

West Virginia Agricultural Experiment Station, *Morgantown.*

Department of West Virginia University, under the control of the Board of Regents.

STATION STAFF.

J. H. Stewart, M. A., *Dir.; Agr.*
B. H. Hite, M. S., *V. Dir.; Chem*
W. M. Munson, PH. D., *Hort.*
W. E. Rumsey, B. S. AGR., *Ent.*
Nahum J. Giddings, M. S., *Bact.*
Horace Atwood, M. S. AGR., *Asst. Agr.*
Frank B. Kunst, A. B., *Asst. Chem.*
Fred E. Brooks, *Assoc. Ent.*
A. L. Dacy, B. S., *Asst. Hort.*
J. H. Berghuis Krak, *Asst. Chem.*
Chas. E. Weakley, jr., *Asst. Chem.*
O. C. Beck, B. S., *Asst. Chem.*
H. E. Williams, *Special Agt. on Highways.*
Martha A. Stewart, *Libr.*
Thos. E. Hodges, *Treas.*

The West Virginia Colored Institute, *Institute.*

GOVERNING BOARD.

Board of Regents: M. P. Shawkey (*Pres.*), *Charleston;* Geo. S. Laidley, *Charleston;* M. C. Lough, *Fairmont;* G. A. Northcott, *Huntington;* J. B. Finley, *Parkersburg.*

COURSES OF STUDY.

The courses of study are: Agricultural, mechanical, normal and academic (requiring four years each for completion), and commercial, domestic science and art, and mechanics (requiring two years each for completion).

BOARD OF INSTRUCTION.

Byrd Prillerman, A. M., *President; English.*

S. H. Guss, A. B., *Prin. Normal Dept.; Lat., Chem.*
A. W. Curtis, M. AGR., *Div. Agr. Dept.; Bot.*
Charles E. Jones, *Nat. Sci., Hist.; Sec.*
William A. Spriggs, *Carpentry.*
Mrs. Elizabeth M. Jones, *Music; Libr.*
Mary Eubank, *Head of Dept. of Dom. Sci. and Arts; Asst. Sec.*
James M. Canty, *Supt. of Mech. Indus.*
C. Ruth Campbell, *Cooking.*
W. H. Lowry, *Comdt. of Cadets; Math.*
Mrs. Margaret M. Lowry, *Millinery, Sew.*
Mrs. Emma A. Dorsey, *Matron.*
A. G. Brown, *Mech. and Free-hand Draw.*
Chas. E. Mitchell, M. A., *Head of Coml. Dept.; Business Mgr.*
Mrs. Maud Jackson, *Instr. Laundering.*
Fanny C. Cobb, *Normal Training.*
Jessie F. Embry, A. B., *German, Engl.*
I. R. Whipper, M. D., *Physiol.; Physician.*

WISCONSIN.

College of Agriculture of the University of Wisconsin, *Madison.*

GOVERNING BOARD.

Board of Regents: W. D. Hoard (*Pres.*), *Fort Atkinson;* D. P. Lamereaux, *Beaver Dam;* President of University * (*ex officio*), *Madison;* Chas. P. Cary (*State Supt. of Public Instr., ex officio*), *Madison;* A. H. Dahl (*ex officio, Treas.*), *Madison;* L. S. Hanks, *Madison;* J. F. Trottman, *Milwaukee;* Edward Evans, *La Crosse;* Magnus Swenson, *Madison;*

Pliny Norcross, *Janesville;* E. Lloyd-Jones, *Hillside;* F. C. Thwaits, *Milwaukee;* Mrs. Florence G. Buckstaff, *Oshkosh;* G. Keller, *Appleton;* A. P. Nelson, *Grantsburg;* G. D. Jones, *Wausau;* M. E. McCaffrey (*Sec.*), *Madison.*

COURSES OF STUDY.

The long courses in agriculture and home economics require four years, leading to the degree of B. S., the middle course in agriculture covers two years, and the short course covers two terms of fourteen weeks each. A certificate is granted to those completing these courses. The winter dairy course lasts twelve weeks and requires for admission one season's previous training in a creamery or cheese factory. A summer dairy course is offered to a limited number of students, who will be admitted without previous factory training and may remain the whole season. To secure a dairy certificate the student must have had two seasons' actual practice in a factory, one of which must follow his work at the dairy school. A two weeks farmers' course, limited to persons who are at least 25 years of age; a housekeeper's conference, and a week's special course for cheese factory and creamery operators and managers are also offered.

BOARD OF INSTRUCTION.[a]

Chas. Richard Van Hise, PH. D., LL. D., *President of the University.*

H. L. Russell, PH. D., *Dean College of Agr.*
Wm. A. Henry, D. AGR., D. SC., *Agr. Emeritus.*
Stephen M. Babcock, PH. D., LL. D., *Agr. Chem.*
D. H. Otis, M. S., *Farm Management; Asst. to Dean.*
Mazyck P. Ravenel, M. D., *Bact.*
Edward H. Farrington, M. S., *Dairy Husb.*
A. R. Whitson, B. S., *Soils and Drainage.*
Fritz W. Woll, PH. D., *Agr. Chem.*
Edwin B. Hart, B. S., *Agr. Chem.*
Geo. C. Humphrey, B. S., *Animal Husb.*
Alexander S. Alexander, M. D. C., V. S., *Vet. Sci.; in charge of Dept. of Horse Breeding.*
Ransom A. Moore, *Agron.*
Henry C. Taylor, PH. D., *in charge of Dept. of Agr. Econ.*
Wm. S. Marshall, PH. D., (*Assoc.*) *Ent.*
K. L. Hatch, B. S. A., (*Asst.*) *Agr. Ed.; Sec. Ext. Work.*
Abby L. Marlatt, *in charge of Dept. of Home Econ.*
E. G. Hastings, M. S., (*Assoc.*) *Agr. Bact.*
J. L. Sammis, PH. D., (*Asst.*) *Dairy Husb.*
Chas. W. Stoddart, PH. D., (*Asst.*) *Soils.*
R. H. Denniston, PH. G., PH. D., (*Asst.*) *Bot.*
E. V. McCollum, PH. D., (*Asst.*) *Agr. Chem.*
James G. Fuller, B. S. A., (*Asst.*) *Animal Husb.*
Charles A. Ocock, B. S., (*Asst.*) *Agr. Chem.*
James G. Moore, M. S., (*Asst.*) *Hort.*
Carl E. Lee, B. S., (*Asst.*) *Dairy Husb.*
James G. Halpin, B. S. A., (*Asst.*) *Poultry Husb.*
Edward R. Jones, M. S., (*Asst.*) *Soils and Drainage.*
W. G. Marquette, B. S., (*Asst.*) *Bot.*
C. P. Norgord, B. S. A., (*Asst.*) *Agron.*
J. Clyde Marquis, B. S. A., *Editor; Instr. Agr. Journalism.*
Gustav H. Benkendorf, *Instr. Dairy Husb.*
Wm. E. Tottingham, M. S., *Instr. Agr. Chem.*
Frank Kleinheinz, *Instr. Animal Husb.*
Alden L. Stone, *Instr. Agron.*
Conrad Hoffmann,[b] B. S. A., *Instr. Agr. Bact.*
James G. Milward, M. S. A., *Instr. Hort.*
A. J. Rogers, jr., M. S. A., *Instr. Hort.*
Harlow L. Walster, B. S. A., *Instr. Soils.*
W. W. Sylvester, B. S. A., *Instr. Agr. Engin.*
John L. Tormey, B. S. A., *Instr. Animal Husb.*
B. G. Smith, *Instr. Zool.*
Leona Hope, *Instr. Home Econ.*
Alice Loomis, *Asst. in Home Econ.*
J. J. Singler, *Asst. in Dairy Husb.*
Gottlieb Marty, *Asst. in Dairy Husb.*
Ward M. Totman, *Asst. in Dairy Husb.*
Louis Peterson, *Asst. in Dairy Husb.*
J. Accola, *Asst. in Animal Husb.*
O. J. Delwiche, *Asst. in Animal Husb.*
Edgar W. Fox, *Asst. in Animal Husb.*
B. W. Hammer, B. S. A., *Asst. in Agr. Bact.*
Shinkicki K. Suzuki, B. S., *Asst. in Agr. Chem.*
Harry Steenbock, B. S. A., *Asst. in Agr. Chem.*
H. Sandell, *Asst. in Soils.*
Louise M. Jahns, B. S., *Asst. in Soils.*
Fred L. Musback, B. S. A., *Asst. in Soils.*
J. F. Sievers, *Asst. in Soils.*
Emil Truog, B. S. A., *Asst. in Soils.*
Milton R. Gutsch, *Asst. in Ed.*
Louis U. St. Peter, *Asst. in Ed.*
James Johnson, B. S. A., *Asst. in Hort.*
John M. Napier, M. S., *Asst. in Agron.*
W. H. Peterson, M. A., *Asst. in Agr. Chem.*
Wm. H. Wright, M. S., *Asst. in Bact.*
Elmer E. Eldredge, B. S. A., *Asst. in Bact.*
Clarence S. Hean, B. A., *Libr.*

[a] Includes only instructors in subjects directly relating to agriculture. Many other members of the university faculty give instruction to agricultural students pursuing the course leading to the degree of B. S.

[b] On leave.

Agricultural Experiment Station of the University of Wisconsin, *Madison.*

Department of the University of Wisconsin, under the control of the Board of Regents.

STATION STAFF.

H. L. Russell, PH. D., *Dir.*
W. A. Henry, D. AGR., D. SC., *Agr. Emeritus.*
S. M. Babcock, PH. D., LL. D., *Asst. Dir.; Chief Chem.*
E. H. Farrington, M. S., *Dairy Husb.*
M. P. Ravenel, M. D., *Bact.*
A. R. Whitson, B. S., *Soil Phys.*
G. C. Humphrey, B. S., *Animal Husb.*
F. W. Woll, PH. D., *Agr. Chem.*
E. B. Hart, B. S., *Agr. Chem.*
R. A. Moore, *Agron.*
H. C. Taylor, PH. D., *Agr. Econ.*
Abby L. Marlatt, *Home Econ.*
A. S. Alexander, M. D. C., V. S., *Vet., Horse Breeding.*
D. H. Otis, M. S., *Farm Management.*
C. A. Ocock, B. S., *Agr. Engin.*
E. G. Hastings, M. S., *Agr. Bact.*
P. P. Peterson, PH. D., *Soils.*
J. G. Halpin, B. S. A., *Poultry Husb.*
C. W. Stoddart, PH. D., *Asst. Soil Phys.*
J. L. Sammis, PH. D., *Asst. Dairy Husb.*
C. E. Lee, B. S., *Asst. Dairy Husb.*
Jas. G. Moore, M. S., *Asst. Hort.*
Jas. G. Milward, M. S. A., *Asst. in Hort.*
W. E. Tottingham, M. S., *Asst. Agr. Chem.*
Jas. G. Fuller, B. S. A., *Asst. Animal Husb.*
J. C. Marquis, B. S. A., *Editor.*
A. L. Stone, *Asst. Agron.; State Seed Insp.*
C. P. Norgerd, B. S. A., *Asst. Agron.*
E. R. Jones, M. S., *Asst. in Soils and Drainage.*
E. V. McCollum, PH. D., *Asst. Agr. Chem.*
S. K. Suzuki, B. S., *Asst. Agr. Chem.*
Harry Steenbock, B. S. A., *Asst. Agr. Chem.*
A. J. Rogers, jr., M. S. A., *Asst. in Hort.; State Hort. Insp.*
G. H. Benkendorf, *Asst. Dairy Husb.*
Frank Kleinheinz, *Asst. Animal Husb.; Shepherd.*
W. E. Markey, *Asst. in Animal Husb.*
E. J. Delwiche, M. S. A., *Supt. Northern Wisconsin Agr. Substa., Ashland.*
J. Accola, *Asst. Animal Husb.*
O. J. Delwiche, *Asst. Animal Husb.*
L. R. Davies, B. S., *Asst. in Dairy Tests, Fert., and Feed Insp.*
J. J. Singler, *Asst. Dairy Husb.*
O. G. Malde, *Asst. in Cranberry Invest., Grand Rapids.*
Gottlieb Marty, *Asst. Dairy Husb.*
H. L. Walster, B. S. A., *Asst. in Soils.*
Louise M. Jahns, B. S., *Asst. in Soil Survey.*
Emily M. Bresee, B. A., *Asst. Chem. Fert. and Feed Insp.*
J. L. Tormey, B. S. A., *Asst. Animal Husb.*
J. M. Napier, M. S., *Asst. Agron.*
W. H. Peterson, M. A., *Asst. Agr. Chem.*
James Johnson, B. S. A., *Asst. in Hort.*
J. F. Sievers, *Asst. in Soils.*
Emil Truog, B. S. A., *Asst. in Soils.*
W. W. Weir, B. S., *Asst. in Soils.*
W. M. Totman, *Asst. in Dairying.*
W. H. Wright, M. S., *Asst. Bact.*
E. E. Eldredge, B. S. A., *Asst. Agr. Bact.*
J. C. Jurrjens, *Asst. in Fert. and Feed Insp.*
W. E. Morris, B. S., *Asst. in Fert. and Feed Insp.*
W. W. Sylvester, B. S., *Asst. in Agr. Engin.*
Frank White, B. S., *Asst. in Agr. Engin.*
Leona Hope, *Asst. in Home Econ.*
Fred Weifenbach, *Foreman in Hort.*
George Hutton, *Farm Foreman.*
C. S. Hean, B. A., *Libr.*

WYOMING.

College of Agriculture and Mechanic Arts of the University of Wyoming, *Laramie.*

GOVERNING BOARD.

Board of Trustees: Otto Gramm * (*Pres.*), *Laramie;* T. F. Burke (*V. Pres.*), *Cheyenne;* F. S. Burrage (*Sec.*), *Laramie;* J. F. Crawford, *Saratoga;* A. C. Jones * (*Treas.*), *Laramie;* Gibson Clark, *Cheyenne;* Elizabeth A. Stone, *Evanston;* V. J. Tidball,* *Laramie;* H. A. Coffeen, *Sheridan;* A. J. Mokler, *Casper;* A. D. Cooke (*State Supt. of Public Instr., ex officio*), *Cheyenne;* Charles O. Merica * (*Pres. Univ., ex officio*), *Laramie.*

COURSES OF STUDY.

The following courses are offered, viz: Four-year agricultural, mechanical engineering, mining engineering, irrigation engineering, and home economics (B. S.); one and two year courses, and a twelve weeks' course in agriculture; two weeks' courses in agriculture, irrigation, live-stock management and judging; correspondence courses, and a six weeks' summer school for teachers.

BOARD OF INSTRUCTION.

Charles O. Merica, A. M., LL. D., *President of the University; English.*

J. D. Towar, M. S., *Agr.*
Aven Nelson, PH. D., *Biol.*
Henry Merz, A. M., *Mod. Lang.*
Charles B. Ridgaway, A. M., *Math.*
Arthur E. Bellis, M. S., *Phys.*
Agnes M. Wergeland, PH. D., *Hist.*
Helen Middlekauff, *Engl.*
Henry G. Knight, A. M., *Chem.*
Fred W. Heyl, PH. D., *Asst. in Chem.*
Grace R. Hebard, PH. D., *Polit.; Libr.*
E. G. Hoefer, B. S., *Mech. and Elect. Engin.*
Harol D. Coburn, Lieut., U. S. A., *Mil. Sci. and Tactics; Dir. Phys. Training.*
Minna A. Stoner, B. S., *Adviser for Women; House Econ.*
Lotta A. Crawford, B. S., *Asst. in Household Econ.*
Albert C. Dart, B. S., *Geol.*
J. R. Hutchison, B. S., *School of Commerce.*
John C. Fitterer, B. S., C. E., *Civil and Irrig. Engin.*
Otto L. Prien, M. D. V., *Vet. Sci.*
Leslie B. McWethy, B. S., *Agron.*
Alpheus D. Faville, B. S., *Animal Husb.*
Robert J. Cowper, *Asst. in Industrials.*
Chas. J. Oviatt, *Asst. in Wool Invest.*

Wyoming Agricultural Experiment Station, *Laramie.*

Department of the University of Wyoming, under the control of the Board of Trustees.

STATION STAFF.

J. D. Towar, M. S., *Dir.; Agr., Hort.; in charge of Farmers' Insts.*
Aven Nelson, PH. D., *Bot.*
H. G. Knight, A. M., *Chem.*
Grace R. Hebard, A. M., PH. D., *Sec.*
J. C. Fitterer, B. S., C. E., *Irrig. Engin.*
L. B. McWethy, B. S., *Agron.*
A. D. Faville, B. S., *Animal Husb.*
John A. Hill, B. S., *Wool Specialist.*
O. L. Prien, M. D. V., *Vet.*
L. Charles Raiford, PH. D., *Research Chem.*
Frank E. Hepner, PH. G., M. S., *Asst. Agr. Chem.*
A. E. Bellis, A. B., *Met.*

INDEX OF NAMES.

Abbott, G. A., 54.
Abbott, G. T., 56.
Abbott, J. B., 23.
Abbott, W. L., 21.
Accola, J., 75, 76.
Acheson, R., 57.
Ackerman, J. H., 57.
Adams, A. A., 23.
Adams, C. F., 10, 11.
Adams, E. J., 40.
Adams, G., 67.
Adams, G. E., 61, 62.
Adams, J. Q., 67.
Adams, M., 45.
Ade, G., 23.
Aery, W. A., 71.
Agee, A., 59, 60.
Agee, H. P., 31.
Ahearn, M. F., 27.
Ainslie, G. G., 63.
Aitkin, G., 68.
Akerman, A., 18.
Alden, R., 71.
Alderman, W. H., 49.
Aldrich, H., 10.
Aldrich, I. D., 63.
Aldrich, J. M., 20.
Alexander, A. S., 75, 76.
Alexander, C. O., 25.
Alexander, C. T., 21.
Alford, F. C., 13, 14.
Alford, T. G., 23.
Allen, B. F., 42.
Allen, C. S., 43.
Allen, D. M., 10.
Allen, E. A., 41.
Allen, E. W., 4.
Allen, H. E., 70.
Allen, L., 45.
Allen, R. M., 29.
Allen, R. W., 59.
Allen, W. M., 52.
Allison, H. O., 22.
Allison, I. M. K., 13.
Allison, J. H., jr., 26.
Allison, T. F. P., 65.
Alsop, J. W., 14.
Alton, B. H., 64.
Alvord, C. H., 66.
Alway, F. J., 44.
Ames, C. T., 40.
Ames, J. W., 56.
Amison, E. E., 62.
Ammons, E. M., 13.
Anderson, A., 63.
Anderson, A. C., 36, 37.
Anderson, B. G., 70.
Anderson, C. B., 43.
Anderson, H. C., 65.
Anderson, J. A., 48.
Anderson, J. N., 17.
Anderson, J. S., 72.
Anderson, J. T., 8.
Anderson, L., 11, 12.
Anderson, R. E., 57.
Anderson, W., 32.
Anderson, W. B., 25.
Andrews, M. W., 69.
Andrews, W. H., 27.
Angell, E. D., 58.
Angell, R. Z., 58.
Ansel, M. F., 63.
Apperson, J. T., 57.
Applewhite, A. L., 59.
Arey, J. A., 52.
Arkell, T. R., 46.
Armsby, H. P., 6, 59, 61.
Armstrong, A. E., 45.
Armstrong, F. A., 25.
Armstrong, F. L., 31.
Armstrong, L. E., 60.
Armstrong, R. A., 73.
Armwood, W. A., 17.
Arnett, C. N., 23.
Arnold, C. L., 55.
Arnold, F. R., 67.
Arnot, G., 48.
Arny, A. C., 38, 39.
Arthur, J. C., 23.
Arthur, M. J., 71.
Arville, D. A., 25.
Arvold, A. G., 54.
Ash, S. B., 54.
Ashby, R. C., 44.
Ashley, E. L., 35.
Ashmore, O., 19.
Atherton, H. H., 60.
Atkeson, T. C., 73.
Atkinson, A., 43.
Atkinson, T. W., 30.
Attaway, D. E., 17.
Atwood, H., 74.
Aumer, J. P., 22.
Austin, G. C., 9.
Austin, M., 11.
Averill, A. W., 33.
Averitt, S. D., 29.
Avery, S., 5, 44.
Ayer, L. F., 71.
Ayres, B., 6, 64, 65.
Ayres, H. L., 51.

Babb, J. G., 41, 42.
Babcock, E. B., 12.
Babcock, K. C., 10.
Babcock, S. M., 75, 76.
Babcock, W., 36.
Babson, H., 23.
Bachelder, N. J., 46.
Backus, L. S., 41, 42.
Badger, W. L., 38.
Baer, A. A., 44.
Bagley, J. B., 66.
Bahnsen, P. F., 7.
Bailey, E. M., 14.
Bailey, E. W., 22.
Bailey, L. H., 6, 50, 51.
Bailey, T. J., 40.
Bain, S. McC., 65.
Bainer, H. M., 13, 14.
Baird, R. O., 57.
Baker, E. L., 49.
Baker, G. T., 24.
Baker, H. C., 60.
Baker, H. P., 59, 60.
Baker, J. F., 36.
Baker, J. H., 43.
Baker, L. W., 16.
Baker, W. C., 50.
Baldwin, C. W., 34.
Baldwin, H. P., 20.
Baldwin, L. B., 58.
Ball, E. D., 67, 68.
Ball, L. H., 15.
Ball, O. M., 66.
Ballard, W. R., 33.
Ballenger, T. T., 51.
Ballinger, F., 43.
Ballou, F. H., 56.
Banks, D. L. F., 57.
Banks, E. M., 17.
Banks, N. A., 67.
Barbour, E. H., 44.
Barbour, E. L., 47.
Barbour, M. E., 27.
Bard, T. R., 11.
Bardenwerper, K., 45.
Bareis, G. M., 55.
Bark, D. H., 5.
Barker, H. S., 28.
Barker, J. F., 25.
Barker, J. M., 69, 70.
Barker, P. B., 44, 45.
Barlow, J., 61.
Barlow, T. W., 59.
Barlow, W. E., 70.
Barnard, F. J., 72, 73.
Barnes, C. L., 13.
Barnes, G., 27.
Barnes, K. W., 52.
Barnes, R. B., 7.
Barnes, S. E., 65.
Barnett, E., 63.
Barnett, R. J., 27.
Barnhart, J. M., 22.
Barr, J. H., 49.
Barre, H. W., 63.
Barrell, E. P., 31.
Barrell, Mrs. E. P., 31.
Barringer, P. B., 70.
Barrow, D. C., 18, 19.
Barrow, D. N., 62.
Barrows, W. B., 36.
Barrows, W. M., 55.
Barrus, M. F., 51.
Barry, C. A., 72.
Bartholomew, C. E., 25.
Bartlett, J. M., 6, 32.
Barto, D. O., 21.
Basley, C. C., 48.
Batchelor, L. D., 50.
Bate, F. E., 48.
Bates, E. S., 10.
Bates, M. C., 64.
Batt, M., 54.
Battiste, M. J., 63.
Baus, R., 31.
Baxter, O. G., 5.
Bayard, E. S., 59.
Bayless, C. H., 9.
Baysinger, S. L., 41.
Beach, C. L., 15.
Beach, E. C., 57.
Beach, S. A., 6, 25, 26.
Beach, W. G., 72.
Beahan, W., 50.
Beal, F. W., 60.
Beal, W. H., 5, 6.
Beal, W. J., 36, 37.
Beall, L. H., 27.
Bear, F. E., 55.
Beard, H. L., 58.
Beattie, R. K., 72, 73.
Beatty, C., 33.
Beaty, E. B., 58.
Beaver, J. A., 59.

Beck, O. C., 74.
Beckenstrater, H., 33.
Becker, A., 27.
Beckett, C. H., 23.
Beckwith, T. D., 54.
Bedford, R. C., 8.
Beighle, E. E., 36.
Bell, A. J., 31.
Bell, A. W., 7.
Bell, H. G., 25.
Bell, J. C., 13.
Bell, M. W., 53.
Bell, N. E., 8.
Bell, W. B., 54.
Belling, J., 17.
Bellis, A. E., 77.
Bemis, E., 60.
Bemis, H. E., 25.
Benbrook, W. G., 40.
Benedict, P. A., 69.
Benkendorf, G. H., 75, 76.
Benner, R. C., 10.
Bennetch, P. B., 60, 61.
Bennett, A. A., 24.
Bennett, B. F., 34.
Bennett, E. R., 13, 14.
Bennett, J. W., 18.
Benson, C. F., 24.
Benson, F. W., 57.
Bentley, G. M., 65.
Benton, J. R., 17.
Benton, R., 12.
Berchtold, F., 58.
Bergen, T. G., 47.
Berger, E. W., 17.
Berger, Mrs. E. W., 17.
Bergman, H. F., 54.
Bergner, C. H., 59.
Bernheim, M., 30.
Berry, H. B., 72.
Berry, S. A., 71.
Besley, F. W., 33.
Besley, H. J., 64.
Bessey, C. E., 44.
Bessey, E., 13.
Bessey, E. A., 30.
Betts, T., 7.
Bevier, I., 21.
Bexell, J. A., 58.
Biddle, G., 15.
Bierly, E., 27.
Bigelow, C. E., 71.
Biggs, J., 15.
Billetdoux, E. W., 47.
Billings, T., 24.
Binford, E. E., 7.
Bingham, D., 47.
Bingham, G. H., 46.
Bioletti, F. T., 12.
Birdsong, M. S., 53.
Bisby, B., 27.
Bishop, E. F., 20.
Bishop, M. W., 71.
Bissell, M. J., 19.
Bixby, F. L., 5, 48, 49.
Bizzell, J. A., 50, 51.
Bjerregaard, A. P., 48, 49.
Black, H. V., 18.
Blackburn, W. E., 26.
Blacklock, W., 73.
Blackshear, E. L., 67.
Blain, H. M., 30.
Blair, A. W., 17.
Blair, F. G., 21.
Blair, J. C., 21, 22.
Blair, M. J., 38.
Blaisdell, D. L., 21.
Blaisdell, T. C., 36.
Blake, Mrs. E. M., 11.
Blake, J. C., 66.
Blake, M. A., 48.
Blakeslee, A. F., 15.
Blanchard, H. L., 73.
Blanding, L., 63.
Bledsoe, P., 67.
Bledsoe, W., 52.
Bleile, A. M., 55.
Blinn, P. K., 14.
Bliss, A. P., 35.
Bliss, G. R., 26.
Bliss, R. K., 25.
Blohm, A. F., 56.
Blood, C. H., 49.
Blount, G. W., 71.
Blount, T. W., 51.
Bluford, J. H., 53.
Boardman, H. P., 45.
Bogard, F., 62.
Boice, C. H., 27.
Boldt, G. C., 50.
Boles, A. P., 11.
Bolley, H. L., 53, 54.
Bolton, F. C. (Miss.), 40.
Bolton, F. C. (Tex.), 66.
Bomberger, F. B., 33.
Bonebright, H. B., 14.
Bonfoey, B. H., 41.
Bonnet, E., 48.
Bonnet, L., 12, 13.
Bonns, W. W., 33.
Boot, E., 27.
Boothe, Mrs. A. M., 8.
Bopp, J. V., 64.
Borders, I. D., 40.
Boring, A. M., 32.
Boss, A., 37, 38, 39.
Bostwick, C. D., 50.
Boswell, R. R., 14.
Bosworth, A. W., 49.
Bouquet, A. G. B., 58, 59.
Boutelle, F. C., 37, 38.
Bouton, R., 44.
Bovie, W. T., 41, 42.
Bowditch, N. I., 34.
Bowen, A. F., 52.
Bowen, B. L., 55.
Bowen, J. V., 39.
Bowen, R. J., 53.
Bower, E. B., 60.
Bowers, J. H., 57.
Bowker, W. H., 34.
Bowles, P. S., 41.
Bownocker, J. A., 55.
Bowser, E. A., 47.
Bowser, L. T., 56.
Boyd, G. R., 5.
Boyd, T. D., 30, 31.
Boyle, J. G., 23.
Brackett, G. B., 6.
Brackett, R. N., 63.
Bradford, J. C., 39.
Bradford, J. N., 55.
Bradford, Q. Q., 4, 20.
Bradfute, O. E., 54.
Bradham, D. J., 63.
Bradley, C. E., 58.
Bradley, M. A., 71.
Bradley, M. E., 63.
Bradley, W. W., 62.
Bragg, L. C., 14.
Bragg, T., 7, 8.
Bragg, V. W., 40.
Brainerd, W. K., 70.
Braman, W. W., 61.
Bramlett, A., 63.
Brand, R. E., 22.
Bray, C. I., 40.
Breazeale, W. E., 47.
Breckinridge, G. T., 10.
Brenton, C. R., 24.
Bresee, E. M., 76.
Brett, P. M., 47.
Brewer, C. L., 36.
Brewer, H. R., 43.
Brewer, O. A., 56.
Brewer, W. F., 43.
Brewer, W. H., 14.
Bridgeforth, G. R., 9.
Bridwell, J. C., 58, 59.
Brierly, W. G., 73.
Briggs, F., 24.
Briggs, M. B., 71.
Brigham, A. A., 64.
Brimley, H. H., 52.
Brindley, J. E., 25.
Brink, C. M., 26.
Brinkley, E. H., 33.
Brinkley, L. L., 52.
Briscoe, C. F., 22.
Britton, J. A., 11.
Britton, W. E., 14.
Brock, J. E., 27.
Brockett, Z. M., 14.
Broderick, D. C., 20.
Brodie, R. K., 58.
Brooks, B. M., 28.
Brooks, C., 46.
Brooks, F. E. (Colo.), 13.
Brooks, F. E. (W. Va.), 74.
Brooks, I. S., 22.
Brooks, J. F., 19.
Brooks, N. C., 21.
Brooks, R. P., 18.
Brooks, W. E., 53.
Brooks, W. P., 5, 34, 35.
Broome, F. H., 65.
Broughton, L. B., 34.
Broughton, N. B., 51.
Broussard, J. F., 30.
Brown A. G., 74.
Brown, A. M. (Mich.), 35.
Brown, A. M. (Minn.), 37.
Brown, B. E., 60.
Brown, B. S., 13.
Brown, C. F., 5.
Brown, C. W., 36, 37.
Brown, E. L., 16.
Brown, F. (Kans.), 27.
Brown, F. (Mont.), 43.
Brown, F. R., 46.
Brown, G. A., 36.
Brown, H., 65.
Brown, J. G., 10.
Brown, J. L., 18.
Brown, J. T., jr., 65.
Brown, J. W., 34.
Brown, L. A., 29.
Brown, P. E., 47.
Brown, R. H., 27.
Brown, S. B., 73.
Brown, S. H., 34.
Brown, W., 46.
Brown, W. A., 32.
Brown, W. G., 41.
Browne, J. J., 72.
Browne, W. H., jr., 52.
Bruce, C. A., 55.
Bruce, W. M., 10, 11.
Brumley, O. V., 55.
Bruner, L., 44.
Brush, J. L., 13.
Bryan, A. B., 63.
Bryan, E. A., 72.
Bryan, G. T., 56.
Bryan, W. A., 19.
Bryant, T. R., 29.
Buchanan, R. E., 24, 26.
Buchanan, W. S., 8.
Buck, A. M., 46.
Buckham, M. H., 6, 68, 69.
Buckhout, W. A., 59, 60.
Buckley, S. S., 33.
Buckstaff, F. G., 75.
Budd, J. E., 11.
Buehner, V., 19.
Bugby, M. O., 56.
Bull, A. M., 38.
Bull, C. P., 37, 38, 39.
Bull, F., 43.
Bull, M. L., 38.
Bullen, J. C., 41.
Bullock, F., 44.
Bundy, L., 59.
Bunting, T. G., 46.
Burch, N. C., 42.
Burd, J. S., 12.
Burdick, H., 62.
Burger, O. F., 17.
Burgess, A. F., 6.
Burgess, J. L., 53.
Burgess, J. M., 63.
Burke, E., 43.
Burke, T. F., 76.
Burks, C. B., 57.
Burlingame, R. S., 61.
Burlison, W. L., 57.
Burnap, G. E., 50.
Burnett, E. A., 6, 44.
Burnett, J. H., 18.
Burnett, L. C., 26.

Burney, E., 9.
Burns, J. C., 66.
Burr, W. W., 45.
Burrage, F. S., 76.
Burrage, L. M., 60.
Burrage, S., 23.
Burrell, W. P., 71.
Burrill, T. J., 21, 22.
Burrows, G. H., 69.
Burrows, T. K., 4.
Burruss, T. R., jr., 63.
Burt, F. A., 36.
Burton, P. E., 41.
Burton, R. W., 7.
Busey, M. E., 21.
Bush, C. R., 26.
Bush, E. E., 38.
Bush, L. P., 15.
Bushnell, C. J., 57.
Bushnell, L. D., 27, 28.
Butler, H. P., 63.
Butler, P., 37.
Butterfield, K. L., 6, 34.
Butterfield, M., 27.
Buxton, A. T., 57.

Cady, LeR., 38, 39.
Caffey, L. W., 67.
Caine, J. T., jr., 67, 68.
Caine, J. T., III, 67, 68.
Caldwell, A. B., 64.
Caldwell, R. E., 56.
Calhoun, F. H. H., 62.
Call, L. E., 27, 28.
Callahan, I. B., 58.
Calvert, S., 41.
Calvin, H. W., 23.
Calvin, J. W., 61.
Calvin, M. V., 18.
Cameron, E. D., 57.
Cammack, A., 14.
Campbell, C. B., 66.
Campbell, C. R., 74.
Campbell, J. P., 18.
Campbell, J. R., 25.
Campbell, M., 25.
Campbell, P. A., 32.
Campbell, T. M., 9.
Campbell, T. P., 70.
Campbell, W. A., 65.
Campbell, W. W., 8.
Cance, A. E., 35.
Cannon, A., 52.
Cannon, H. P., 16.
Cantwell, M. A., 43.
Canty, J. M., 74.
Capen, C. A., 14.
Capper, A., 26.
Carbury, V. J., 48.
Cardon, P. V., 68.
Cardozo, F. H., 17.
Cardullo, F. E., 46.
Carlisle, J. N., 50.
Carlyle, A., 73.
Carlyle, E. C., 66.
Carlyle, W. L., 21.
Carman, A. P., 21.
Carmichael, B. E., 56.
Carnegie, A., 49, 59.
Carney, C. M., 42.
Carney, W. B., 70.
Carpenter, L. G., 6, 13, 14.
Carpenter, T., 28.
Carpenter, W. L., 35.
Carr, R. J., 41, 42.
Carrel, W. J., 29.
Carrere, E. A., 31.
Carrier, L., 70.
Carrington, J. C., 69, 70.
Carroll, B. F., 24.
Carroll, C. G., 10.
Carroll, D. H., 34.
Carroll, N. M., 34.
Carson, J. M., jr., 66.
Carson, J. W., 66.
Carter, H. C., 52.
Carter, J. C., 71.
Carter, R. D., 11.
Carver, G. W., 9.
Cary, C. A., 7, 8.
Cary, C. P., 74.
Cary, W. L., 33.
Cassidy, M. A., 29.
Cathcart, C. S., 48.
Catlin, A., 71.
Catlin, C. A., 68.
Caton, O., 57.
Caufield, M. C., 31.
Cauthen, E. T., 8.
Cavanaugh, G. W., 50, 51.
Center, O. D., 22.
Certain, C. C., 7.
Cessna, E., 25.
Cessna, O. H., 24.
Chadsey, A. N., 25.
Chaffee, G. T., 68.
Chalfant, F. A., 72.
Chamberlain, F. W., 20.
Chamberlain, M. L., 62.
Chamberlain, J. S., 35.
Chamberlain, W. F., 42.
Chamberlain, W. I., 56.
Chambers, S. D., 32.
Chambliss, H., 56.
Champlin, M., 64.
Chandlee, G. C., 60.
Chandler, H. A. E., 10.
Chandler, W. H., 41, 42.
Chapman, G. H., 35.
Chappelle, L. L., 66.
Charles, F. L., 22.
Charlton, E. G., 26.
Chase, L. E., 27.
Chase, L. W., 44.
Chastain, O. F., 66.
Chatburn, G. R., 44.
Chatfield, L., 14.
Chavis, J. D., 53.
Chenet, H. S., 30.
Chestnut, M. V., 67.
Cheyney, E. G., 37, 38, 39.
Childers, L. F., 20, 21.
Chilton, H. S., 40.
Chipman, M. E., 19.
Chisholm, H., 54.
Chisholm, J., 55.
Chittenden, F. H., 70.
Chrisman, E. R., 64.
Chrisman, W. G., 52.
Christensen, F. W., 61.
Christie, G. I., 5, 23.
Chrysler, M. A., 32.
Church, J. E., 45.
Churchill, G. W., 49.
Churchill, J. B., 60.
Churchill, O. O., 54.
Churchill, V. L., 14.
Clair, M. W., 34.
Clapp, S. C., 53.
Clark, A. J., 36.
Clark, A. W., 49.
Clark, C. F., 50, 51.
Clark, G., 76.
Clark, J. E., 48.
Clark, J. M., 71.
Clark, J. W., 60.
Clark, O. L., 51.
Clark, R. A., 9.
Clark, R. W., 43.
Clark, S. C., 5.
Clark, S. E., 68.
Clark, T. A., 21.
Clark, T. W., 45.
Clark, V. E., 25.
Clark, W. B., 30.
Clark, W. D., 60, 61.
Clark, W. E., 66.
Clarke, E. G., 20.
Clarke, W. H., 29.
Clarke, W. T., 6, 12.
Clay, C. M., 28.
Clay, W. T., 52.
Claybrook, J. I., 29.
Clearwater, A. T., 47.
Cleghorn, A. W., 12.
Clements, S. A., 71.
Clevenger, W. L., 55.
Cline, D. D., 30.
Cline, P. J., 19.
Clinton, G. H., 30.
Clinton, G. P., 14.
Clinton, L. A., 15.
Clopath, H., 38.
Close, C. P., 6, 33.
Clothier, G. L., 39, 40.
Clothier, R. W., 10.
Coad, K. M., 36.
Coates, C. E., 30.
Cobb, A. C., 56.
Cobb, C. C., 36.
Cobb, F. C., 74.
Cobb, G. R., 62.
Cobleigh, W. J., 43.
Coburn, H. D., 77.
Coburn, J. L., 67, 68.
Cochel, W. A., 60.
Cochrane, D. C., 61.
Codd, A. A., 45.
Coe, E. B., 47.
Coen, B. F., 13.
Coen, J. M., 39.
Coffeen, H. A., 76.
Coffey, A. B., 30.
Coffey, W. C., 21, 22.
Coffin, M. L., 38.
Cogbill, J. R., 16.
Coglon, M. F., 40.
Coit, J. E., 12.
Colburn, F. E., 26.
Colby, G. E., 12.
Cole, C. A., 58, 59.
Cole, G. A., 11.
Cole, J. T., 31.
Cole, V. E., 14.
Coleman, C. B., 62.
Coleman, L. L., 29.
Collett, R. W., 53.
Collett, S. W., 72.
Collier, F. J., 47.
Collins, G. V., 38.
Collins, S. F., 30.
Collins, V. S., 34.
Collison, R. C., 56.
Collison, S. E., 17.
Colpitts, J., 25.
Colson, E. F., 9.
Colver, C. W., 21.
Colvin, C., 32.
Comer, B. B., 7, 8.
Comstock, A. B., 51.
Comstock, J. H., 50, 51.
Comstock, L., 32.
Condra, G. E., 44.
Cone, V. M., 5.
Congdon, L. A., 48.
Conley, E. T., 33.
Conn, H. J., 51.
Conn, H. W., 14.
Connaway, J. W., 41, 42.
Connell, J. H., 56.
Conner, J. J., 18.
Conner, S. D., 23.
Conners, J. P., 56.
Connor, A. B., 66.
Conover, J. A., 53.
Conrad, L. E., 27.
Conradi, A. F., 63.
Conser, H. N., 32.
Converse, G. L., 55.
Converse, J. E., 65.
Converse, J. H., 68.
Conwell, C. S., 15.
Cook, C. H., 48.
Cook, E., 38.
Cook, G. B., 10.
Cook, L. B., 51.
Cook, M. T., 16.
Cook, P., 47.
Cook, R. B., 68.
Cook, S. B., 42.
Cook, W. M., 50.
Cooke, A. D., 76.
Cooke, J. W., 31.
Cooley, F. S., 43.
Cooley, R. A., 43.
Coons, G. H., 44, 45.
Coope, J., 71.
Cooper, A. J., 42.
Cooper, B., 68.
Cooper, B. H., 71.
Cooper, D. W., 47.
Cooper, H. E., 19.

Cooper, I. W., 40.
Cooper, J. W., 71.
Cooper, L. L., 30.
Cooper, R. M., 19.
Cooper, T. P., 38, 39.
Cooper, W. B., 51.
Coover, W. F., 25.
Corbett, L. C., 70.
Corbett, V. H., 13.
Corbit, D. W., 15.
Corbusier, P. W., 29.
Cordery, G. T., 34.
Cordley, A. B., 58.
Corley, J. W., 56.
Cornell, C. E., 49.
Cornwell, S. L., 16.
Corotis, M. E., 55.
Corput, F., 18.
Corson, O. T., 54.
Cortelyou, J. V., 27.
Corwin, R. W., 13.
Costenoble, H. L. V., 4, 19.
Cotton, E. C., 65.
Cotton, W. W., 57.
Cottrell, E. A., 60.
Cottrell, H. M., 13.
Coulter, S., 23.
Councilman, C. A., 33.
Coupland, G., 43.
Courtright, J., 56.
Covell, G. A., 58.
Cowan, T. N., 9.
Cowgill, Mrs. T. W., 45.
Cowles, I. F., 27.
Cowper, R. J., 77.
Cox, G., 43.
Cox, N. H., 17.
Cox, W. H., 28.
Crabb, G. A., 50, 51.
Crabbe, J. G., 28, 29.
Crabtree, P. E., 27.
Craig, C. E., 23.
Craig, J., 6, 50, 51.
Craig, J. A., 57.
Craig, L., 51.
Craig, R. A., 23.
Craig, W., 32.
Crain, R., 33.
Crandall, C. S., 21, 22.
Crane, C. B., 48.
Crane, G. L., 74.
Crane, O., 23.
Crane, P. H., 24.
Cranford, C. C., 53.
Crawford, C., 57.
Crawford, H. C., 17.
Crawford, J. F., 76.
Crawford, J. H., 67.
Crawford, L. A., 77.
Crawford, T. H., 58.
Creasy, W. T., 59.
Creely, T. L., 34.
Creese, M., 33.
Crenshaw, B. H., 7.
Crews, M., 17.
Crisp, H. L., 33.
Critchfield, N. B., 59.
Crittenden, R. F., 18.
Critz, H., 40.
Crocker, W. H., 11.
Crockett, W. D., 60.
Cromer, C. O., 23.
Cromwell, A. M., 9
Crookston, J., 68.
Cropper, L. M., 18.
Crosby, C. R., 50, 51.
Crosby, D. J., 4, 5.
Cross, L. J., 50.
Crossley, B. W., 25.
Crothers, A. L., 33.
Crow, C. L., 17.
Crow, S. E., 36.
Crowe, C. P., 55.
Crumb, A. E., 36.
Crumley, J. J., 56.
Crutcher, W. H., 17.
Cullom, L. N., 36.
Cummings, M. B., 69.
Cunningham, C. C., 28.
Cunningham, H. E., 69.
Cunningham, J. C., 27, 28.
Cunningham, O. C., 55.
Curl, M. J., 60.
Currier, A. H., 43.
Currier, G. W., 46.
Curry, B. E., 46.
Curry, G., 48.
Curtis, A. W., 74.
Curtis, F. W., 15.
Curtis, H. E., 29.
Curtis, M. R., 32.
Curtis, R. S., 52.
Curtis, W. C., 41.
Curtiss, C. F., 5, 6, 24, 26.
Cusick, J. T., 49.
Cutler, C., 24.

Dachnowski, A. P., 55.
Dacy, A. L., 74.
Daggett, W. P., 32.
Dahl, A. H., 74.
Dales, J. S., 43, 45.
Dalrymple, W. H., 30, 31.
Damon, C. M., 35.
Damon, S. C., 34, 35, 62.
Damon, S. M., 20.
Dandeno, J. B., 36, 37.
Daniel, D. W., 62.
Daniel, J., 62.
Daniel, W. E., 51.
Daniels, C. W., 48.
Daniels, J. F., 13.
Daniels, L. C., 29.
Darden, W. A., 53.
Darlington, F. W., 71.
Darnall, F. M., 40.
Darnall, H. J., 65.
Dart, A. C., 77.
Dashiell, W. R., 70.
Davenport, C. C., 30.
Davenport, E., 6, 21, 22.
Davey, W. P., 60.
David, E. J., 46.
Davidson, J. B., 25, 26.
Davidson, R. J., 70.
Davies, G. F., 20.
Davies, H., 28.
Davies, L. R., 76.
Davies, P. M., 23.
Davis, A. M., 68.
Davis, B. F., 35.
Davis, C. C., 63.
Davis, E. A., 17.
Davis, E. B., 47.
Davis, E. H., 23.
Davis, E. P., 60.
Davis, G. J., 71.
Davis, H. S., 17.
Davis, J. E., 71.
Davis, J. M., 29.
Davis, K., 9.
Davis, K. C., 47.
Davis, M. E., 9.
Davis, M. L., 10.
Davis, L. M., 13.
Davis, T., 15.
Davis, T. W., 40.
Davis, V. H., 55.
Davis, W. C., 7.
Davis, W. E., 27, 28.
Davis, Z. D., 39.
Davison, C., 21.
Davisson, A. E., 44.
Daughters, M. R., 58.
Dawson, C. F., 16.
Day, E. D., 41.
Day, H., 57.
Dean, G. A., 27, 28.
Dean, J. S., 66.
Dearborn, C. S., 43.
Dearing, C. T., 41, 42.
De Armond, R. W., 4, 9.
Debnam, W. F., 53.
De Camp, G. E., 48.
Decker, C. D., 37.
Deemer, R. B., 33.
Deerr, N., 20.
De Haven, G., 58, 59.
Deiler, A. C., 66.
De Lay, F. A., 13.
Dellinger, J. E., 53.
De Loach, R. J. H., 18.
Delwiche, E. J., 76.
Delwiche, O. J., 75, 76.
Demaree, F. H., 41, 42.
Demarest, W. H. S., 47, 48.
Demolins, J., 69.
Deneen, C. S., 21.
Denise, D. D., 48.
Denney, J. V., 55.
Denniss, F. H., 65.
Denniston, R. H., 75.
Denny, G., 44.
Denny, G. G., 44.
Denson, N. D., 7.
Dent, A. T., 39.
Deputy, G. W., 16.
Derby, S. H., 15.
De Regt, A. C., 47.
Dern, J., 67.
Detjen, L. R., 52.
Detmers, F., 55.
Dewey, D. R., 34.
De Yarmett, H. J., 71.
De Zeeuw, R., 36.
Dice, J. R., 32.
Dickens, A., 26, 28.
Dickenson, A. D., 73.
Dickerson, I. W., 21.
Dickey, F. W., 25.
Dickinson, C. C., 50.
Dickinson, L. P., 61.
Dickinson, M. F., 34.
Dickson, W. A., 39.
Didlake, M. L., 29.
Diehl, D., 56.
Dietrich, W., 21, 22.
Diffay, H. K., 8.
Dillehunt, H. B., 34.
Dillingham, F. T., 19.
Dillingham, W. P., 68.
Dimock, W. W., 25.
Dingus, J. A., 57.
Dinsmore, S. C., 45.
Dinsmore, W., 25.
Dinwiddie, R. R., 10, 11.
Ditto, T. W., 56.
Dixon, V., 25.
Dodge, D. K., 21.
Dodge, F. H., 47.
Dodson, W. R., 30, 31.
Doggett, C. S., 62.
Doherty, A. J., 35.
Dohrmann, F. W., 11.
Dole, C. F., 8.
Dolve, R. M., 54.
Donaghey, G. W., 10.
Donaghho, J. S., 19.
Donahue, M. J., 7.
Doneghue, R. C., 54.
Donaldson, B., 27.
Donaldson, M. L., 62.
Donaldson, O., 9.
Donovan, E., 15.
Dorer, G., 48.
Dorman, J. E., 18.
Dorner, H. B., 21, 22.
Dorsey, E. A., 74.
Dorsey, M. J., 49.
Doryland, C., 27, 28.
Doten, S. B., 45.
Doty, S. W., 60, 61.
Douglass, A. E., 10.
Douglass, E., 14.
Dow, B. K., 15.
Dow, U. M., 27.
Downing, C., 23.
Downing, G. M., 59.
Downing, H. H., 29.
Dox, A. W., 15.
Drake, J. H., 7.
Drane, F. P., 53.
Draper, E. S., 34.
Drew, B. L., 71.

Drew, E. C., 32.
Drew, G. A., 32.
Drew, J. M., 38.
Drew, W., 46.
Drewry, N. B., 18.
Drinkard, A. W., 70.
Drinkard, A. W., jr., 70.
Drisdale, C. B., 67.
Drummond, R. R., 32.
Dryden, J., 58, 59.
Du Bose, M. D., 18.
Ducote, C. J., 30.
Duconge, E., 31.
Duddy, E. A., 43.
Dudley, J. B., 53.
Duggar, B. M., 50, 51.
Duggar, J. F., 6, 7, 8.
Dukes, A. L., 63.
Dulaney, H. S., 34.
Duncan, C. R., 35.
Duncan, C. S., 55.
Duncan, L. N., 7.
Dunn, C. J., 32.
Dunn, W., 52.
Dupee, M. B., 36.
Durgin, A. G., 32.
Durst, C. E., 22.
Duryee, J. R., 47.
Dusenbury, E. G., 49.
Dutcher, R. A., 64.
Dutton, J. E., 15.
Dwight, T. W., 63.
Dwyre, C. G., jr., 13.
Dye, F., 6.
Dye, W. S., jr., 60.
Dykstra, R. R., 24.
Dynes, O. W., 54.
Dynes-Feuling, A., 25.

Earhart, R. F., 55.
Earl, G. C., 11.
Easley, C. W., 32.
Eason, F. G., 5.
Eastman, A. R., 50.
Eastman, R. E., 27, 28.
Eaton, H. A., 73.
Eaton, J., 69.
Eberhart, A. O., 37.
Eckart, C. F., 20.
Eckhardt, W. G., 22.
Eckles, C. H., 41, 42.
Edelen, L. T., 28.
Edgar, A., 27, 28.
Edgar, C. L., 47.
Edgerly, G. W., 46.
Edgerton, C. W., 31.
Edmiston, H. D., 60, 61.
Edmond, H. D., 15.
Edmunds, J. L., 38.
Edson, H. A., 69.
Edwards, A. A., 13.
Edwards, A. L., 58, 59.
Edwards, G. R., 39, 40.
Edwards, H., 6, 61.
Edwards, J. H., 50.
Egelhoff, C. R., 29.
Egge, A. E., 72.
Eggers, H. D., jr., 16.
Eggleston, J. D., 69.
Eisenlohr, B. A., 55.
Eisland, J. A., 73.
Ekblaw, K. J. T., 21.
Eldred, M. D., 62.
Eldredge, E. E., 75, 76.
Eldridge, J. G., 20.
Ellett, W. B., 70.
Ellington, J. T., 51.
Elliott, C. G., 5.
Elliott, E. E., 20, 21.
Elliott, H. R., 5.
Elliott, J. C., 56.
Elliott, T. I., 34.
Elliott, W. J., 43.
Ellis, G. H., 34.
Ellis, W. H., 17.
Ellsworth, E. A., 23, 24.
Ellsworth, J. L., 34.
Elser, W. L., 56.
Emberson, R. H., 41.
Embry, J. F., 74.
Embry, G. C., 66.
Emerson, C. E., 71.
Emerson, R. A., 44.
Emerson, S. F., 69.
Emery, E. S., 42.
Emmett, A. D., 22.
Emmons, L. C., 36.
Emory, F. L., 74.
Ende, C. von, 20.
Enders, H. E., 23.
England, J. E., 71.
English, J. N., 18.
English, J. P., 42.
Enloe, W. A., 53.
Epple, W. F., 24.
Erb, E. S., 60, 61.
Erf, O., 55.
Erickson, M. B., 54.
Ericson, A., 38.
Ericson, E. C., 63.
Erwin, A. T., 25.
Espenshade, A. H., 60.
Essary, S. H., 65.
Essex, H., 29.
Esten, W. M., 15.
Estes, C., 61.
Etcheverry, B. A., 12.
Etheridge, W. C., 52.
Eubank, M., 74.
Eustace, H. J., 6, 36, 37.
Evans, A. L. (Ala.), 9.
Evans, A. L. (Tex.), 67.
Evans, C. B., 15.
Evans, C. G., 56.
Evans, C. H., 34.
Evans, E., 74.
Evans, H. P., 28.
Evans, I. B., 68.
Evans, L. B., 21.
Evans, M. E., 50.
Evans, P., 42.
Evans, P. N., 23.
Evans, W. D., 62.
Evans, W. H., 4.
Evans, W. L., 55.
Evans, W. W., 57.
Evvard, J. M., 41, 42.
Ewell, A. D., 67.
Ewell, Mrs. R. L., 67.
Ewing, A. L., 38.
Ewing, A. M., 58.
Ewing, A. R., 57.
Ewing, F. C., 59.
Ewing, H. E., 25.
Eyer, B. F., 26.
Eyerly, E. K., 35.
Ezell, B. B., 17.

Fain, J. R., 18.
Fairfield, M. P., 25.
Falkner, E. L., 9.
Farley, A. J., 48.
Farquhar, E. F., 29.
Farr, J. M., 17.
Farrand, B., 36.
Farrar, R., 12, 13.
Farrell, F. D., 68.
Farrington, E. H., 75, 76.
Fassett, G. S., 68.
Faville, A. D., 77.
Faulkner, E. L., 9.
Faulkner, J. O., 52.
Fawcett, G. L., 4, 61.
Fawcett, H. S., 17.
Fay, L. E., 74.
Feagin, W. F., 7.
Fechét, E. G., 21.
Fehr, C. D., 59.
Fellows, G. E., 32.
Ferguson, J. A., 60, 61.
Ferguson, J. T., 18.
Ferguson, O. P., 9.
Fermier, E. J., 66.
Fernald, C. H., 34, 35.
Fernald, H. T., 6, 35.
Ferris, E. B., 40.
Ferry, E. S., 23.
Fetzer, L. W., 4.
Feuling, A. D., 25.
Fifield, B. F., 68.
Filley, W. O., 14.
Finlayson, W. D., 16, 17.
Finley, J. B., 73, 74.
Fippin, E. O., 50, 51.
Fish, A. E., 36.
Fishburn, H. P., 21.
Fisher, M. L., 23.
Fisher, O. S., 22.
Fisher, W. F., 24.
Fisk, M. E., 71.
Fisk, N. W., 68.
Fitch, C. L., 14.
Fitterer, J. C., 77.
Fitts, E. B., 15.
Fitts, J. N., 15.
Fleming, A., 25,
Fleming, A. M., 67.
Fleming, B., 50.
Fleming, F. P., 16, 17.
Fleming, W. L., 30.
Fletcher, C., 68.
Fletcher, M., 71.
Fletcher, S. W., 70.
Flewellen, A. E., jr., 67.
Flint, A. K., 55.
Flint, E. R., 17.
Flint, P. N., 18.
Florance, W. E., 47.
Floyd, B. F., 17.
Floyd, J. W., 63.
Floyd, W. L., 17.
Fogel, E. D., 25.
Folger, H., 44.
Follette, R., 66.
Folsom, J. W., 21.
Foord, J. A., 34.
Forbes, E. B., 56.
Forbes, R. H., 10.
Forbes, S. A., 22.
Ford, F., 49.
Fordham, L. B., 63.
Forgeus, M., 25.
Forristall, E. H., 35.
Forsee, R. B., 64.
Fort, J. F., 46, 48.
Fortier, S., 5.
Foster, A. W., 11.
Foster, C. L., 67.
Foster, I. L., 59.
Foster, L., 5, 48, 49.
Foster, T. D., 24.
Foster, W. D., 73.
Fountain, C. P., 66.
Foust, J. I., 53.
Fowler, C. C., 25.
Fowler, E. C., 54.
Fowler, J. M., 23.
Fowler, W. L., 10.
Fox, E. W., 75.
Fox, J. W., 40.
Fox, W. W., 40.
Francis, C. K., 41, 42.
Francis, D. R., 41.
Francis, M., 66.
Frandsen, P., 45.
Frandson, J. H., 20, 21.
Franklin, H. J., 35.
Frantz, S. O., 59.
Fraps, G. S., 66.
Fraser, W. J., 21, 22.
Fravel, I. F., 56.
Frazer, J. S., 7.
Frazier, W. H., 38, 39.
Frazier, W. W., 71.
Frear, D. W., 14.
Frear, W., 59, 60.
Fred, E. B., 70.
Frederick, H. J., 67, 68.
Freeman, B., 63.
Freeman, E. M., 37, 38, 39.
Freeman, G. F., 10.
Freeman, H. H., 31.
Freeman, M. L., 40.
Freeman, M. P., 9.
Frelinghuysen, F., 47.
French, G. T., 49.
French, H. T., 6.
French, P., 20.
French, T. E., 55.
French, W. H. (Mich.), 36.
French, W. H. (N. Y.), 50.
French, W. L., 44.

Frevert, G. E., 21.
Freyhofer, L., 36.
Frier, G. M., 24.
Fries, J. A., 61.
Frink, M., 14.
Frissell, H. B., 71.
Frizzell, J. H., 60.
Fromme, N. K., 64.
Fuchs, C., 13.
Fullan, M. T., 7.
Fullaway, D. T., 4, 40.
Fuller, H. N., 47.
Fuller, J. G., 75, 76.
Fuller, L. S., 36.
Fuller, P. E., 5.
Fuller, R. G., 31.
Fulmer, E., 72, 73.
Fulton, E. S., 35.
Fulton, H. R., 60, 61.
Fulton, J., 58.
Funchess, M. J., 7, 8.
Funk, A. B., 24.
Funk, E., 21.
Fuqua, H. L., 30.
Furley, C., 27.
Furman, C. M., 62.
Fyffe, D. M., 55.

Gaede, H. A., 48.
Gage, E., 43.
Gage, E. V., 60.
Gage, G. E., 33.
Gager, C. S., 41, 42.
Gahan, A. B., 33.
Gain, J. H., 44, 45.
Gaines, W. L., 22.
Gainey, P. L., 52.
Gaither, E. W., 56.
Gallagher, E., 57.
Galpin, M. T., 71.
Gantt, J. W., 62.
Garber, J. B., 8.
Garcia, F., 48, 49.
Gardner, A. B., 63.
Gardner, F. D., 60.
Gardner, O. M., 51.
Gardner, V. R., 32.
Garig, M., 30.
Garman, H., 29.
Garner, J. D., 66.
Garner, P. P., 39.
Garrett, J. B., 31.
Garrety, W. P., 5.
Garrigus, H. L., 15.
Garrison, W. D., jr., 63.
Garrison, W. E., 48.
Gartley, A., 19.
Garver, M. M., 60.
Garver, S., 64.
Gary, E. E., 65.
Gaskill, E. F., 35.
Gaskill, R. F., 35.
Gass, H. A., 42.
Gasser, G. W., 4, 9.
Gates, S. Y., 67.
Gates, W. H., 30.
Gaum, C. G., 7.
Gaumnitz, A. J., 12.
Gaumnitz, D. A., 37, 38, 39.
Gaw, A. E., 72.
Gearhart, W. S., 27.
Geismar, L. M., 37.
George, C. P., 48.
George, F. J., 11.
Georgeson, C. C., 4, 9.
Georgia, A. E., 51.
Gerac, H., 31.
Gerrett, F., 34.
Getz, Mrs. A. T., 31.
Gibbs, C. M., 22.
Gibbs, W. D., 5, 46.
Gibson, F., 71.
Gibson, M. J., 8.
Giddings, N. J., 74.
Gieger, M., 40.
Giesecke, F. E., 66.
Gieseker, L. F., 43.
Giest, G. A., 66.
Gifford, A. R., 69.
Gilbert, A. H., 29.
Gilbert, A. W., 50, 51.
Gilchrist, A. W., 17.
Gilchrist, M., 36.
Gilchrist, N. L., 36.
Gile, P. L., 4, 61.
Giles, E. W., 34.
Gilkey, H. M., 58.
Gill, B., 59.
Gill, E. T., 48.
Gill, F. W., 22.
Gillet, J. N., 11.
Gillette, C. P., 13, 14.
Gillison, B., 63.
Gilmore, G., 18.
Gilmore, J. W., 19.
Gilreath, B., 8.
Giltner, W., 36, 37.
Given, G. C., 60, 61.
Gladwin, F. E., 49.
Glasson, E. J., 4.
Gleason, C. A., 34.
Glenn, M. A., 7.
Glover, G. H., 13, 14.
Goddard, J. P., 68.
Goddard, L. H., 56.
Goddard, M., 64.
Goessmann, C. A., 35.
Goetz, C. H., 73.
Goins, M., 53.
Gold, C. W., 51.
Golding-Dwyre, C., jr., 13.
Goldsborough, F. C., 33.
Goldsmith, B. H., 60.
Goldthwaite, N. E., 22.
Goll, H. L., 56.
Good, E. S., 29.
Goodale, G. S., 39.
Goodling, C. L., 60, 61.
Goodrich, A. M., 71.
Goodwin, S. H., 68.
Goodwin, W. H., 56.
Goodwin, W. S., 10.
Gordon, A., 27.
Gordon, C. E., 35.
Gordon, C. H., 65.
Gordon, J. H. (Iowa), 25, 26.
Gordon, J. H. (U.S.D.A.) 5.
Gordon, R. A., 41.
Gordy, T. W., 16.
Goss, A., 23.
Goss, L. W., 27.
Gossard, H. A., 56.
Goucher, J. F., 34.
Gough, A. C., 45.
Gould, S. W., 32.
Gourley, J. H., 56.
Gow, R. M., 11.
Gowans, E., 71.
Graff, P. W., 27.
Graham, A. B., 55.
Graham, C. K., 71.
Graham, K. H., 17.
Graham, R. D., 35.
Graham, R. E., 31.
Graham, W. A., 52.
Gramm, O., 76.
Grant, C., 15.
Grant, J. C., 8.
Grant, J. F., 74.
Grant, S. A., 19.
Grantham, A. E., 16.
Gravatt, T. E., 60.
Graves, A. S., 73.
Graves, H. L., 71.
Graves, L., 25.
Gray, D. T., 7, 8.
Gray, J. C., 60.
Gray, R. P., 32.
Grayson, D. A., 8.
Greaves, J. E., 68.
Green, C. R., 35.
Green, E., 58.
Green, H. L., 31.
Green, J. M., 66, 67.
Green, S. B., 37, 38, 39.
Green, S. J., 31.
Green, W. J., 56.
Greene, C. W., 9.
Greene, E. B., 21.
Greene, L., 26.
Greer, J., 58.
Greer, R. A., 65.
Greever, G., 11.
Gregg, C. J., 63.
Gregg, O. I., 36.
Gregory, C. V., 25, 26.
Gregory, W. B., 5.
Gribben, R. L., 35.
Griffin, F. L., 58, 59.
Griffin, H. P., 43.
Griffin, J. T., 70.
Griffith, W. E., 51.
Griggs, C. H., 67.
Griggs, E. L., 18.
Griggs, E. V., 25.
Griggs, R. F., 55.
Griggs, W. D., 64.
Grimsby, C., 25.
Grindley, H. S., 21, 22.
Griswold, D. T., 66.
Grossenbacher, J. G., 49.
Grossetta, A. V., 9.
Groth, B. H. A., 47.
Grout, G. P., 38.
Grover, A. L., 32.
Groves, E. R., 46.
Grubb, E. H., 13.
Guell, A. R., 30.
Guild, F. N., 10.
Gulick, J., 27.
Gulley, A. G., 15.
Gummere, W. S., 46.
Gunderson, C., 56.
Gunnels, H. C., 7, 8.
Gunness, C. I., 54.
Gunson, T., 36.
Gurney, L. E., 20.
Guss, S. H., 74.
Gustafson, A. F., 22.
Guthrie, E. S., 50, 51.
Guthrie, G. T., 25.
Guthrie, J. E., 25.
Gutsch, M. R., 75.
Gwinner, H., 33.

Hackfeld, J. F., 20.
Hadley, F. B., 55.
Hadley, H., 48.
Hadley, M. B., 17.
Hadley, P. B., 62.
Hadlock, W. L., 73.
Haecker, A. L., 44.
Haecker, T. L., 37, 38, 39.
Hagemann, E. H., 12.
Hagerty, C. T., 48.
Hagerty, J. E., 55.
Haggart, M. H., 48.
Haidusek, A., 66, 67.
Haigh, L. D., 41, 42.
Haines, A. E., 48.
Haines, W. T., 32.
Hall, A. C., 38.
Hall, F. H., 49.
Hall, F. P., 10.
Hall, H. M., 12.
Hall, J. G., 52.
Hall, J. T., 41.
Hall, L. D., 21, 22.
Hall, R. A., 62.
Hall, W. W., 51.
Haller, F. L., 43.
Halligan, C. P., 36, 37.
Halligan, J. E., 31.
Hallsted, A. L., 28.
Halpin, J. G., 75, 76.
Halsted, B. D., 47.
Ham, F. W., 43.
Ham, W. R., 60.
Hamill, J. L., 59.
Hamilton, E. W., 25.
Hamilton, J., 5, 6, 59.
Hamilton, J. B., 65.
Hamilton, J. M., 43.
Hamilton, J. O., 27.
Hamilton, W. S., 29.
Hamlin, T. L., 32.
Hammer, B. W., 75.
Hammett, F. S., 62.
Hammond, M. B., 55.
Hammond, R. L., 33.
Hammond, W. F., 69.

Hammond, W. R., 19.
Hamner, N. C., 66.
Hand, J. L., 18.
Hand, W. F., 39.
Handschin, W. F., 38, 39.
Hanemann, A. H., 31.
Haner, J. L. K., 20.
Hanks, L. S., 74.
Hanna, H. H., 8, 71.
Hansen, N. E., 64.
Hanson, H. H., 32.
Haralson, C., 39.
Haralson, F., 39.
Harden, F. G., 5.
Hardie, R. A., 8.
Hardin, J. H., 62.
Hardin, M. B., 62.
Harding, A. S., 64.
Harding, E. P., 58.
Harding, H. A., 49.
Hardman, L. G., 18.
Hardy, J. C., 39.
Hare, A. J., 74.
Hare, C. LeR., 7, 8.
Hare, C. W., 8.
Hare, R. F., 48, 49.
Hargis, S., 25.
Haring, C. M., 12.
Harkins, L. A., 43.
Hargrave, C. M., 36.
Hargreaves, S., 69.
Harman, M. T., 60.
Harned, R. W., 39, 40.
Harper, E. B., 44.
Harper, J. N., 63.
Harper, M. W., 50, 51.
Harrelson, J. W., 52.
Harrington, H. H., 66.
Harrington, W. W., 15.
Harris, A. C., 23.
Harris, F. S., 51.
Harris, G. D., 31.
Harris, T. H., 30.
Harris, W. A., 26.
Harrison, E. L., 29.
Harrison, H. T., 33.
Harrison, T. P., 52.
Harrison, W. H., 42.
Hart, C. E., 47.
Hart, E. B., 75, 76.
Hart, J. H., 71.
Hart, J. N., 32.
Hart, L. C., 18.
Hart, R. A., 5, 68.
Hart, W. R., 35.
Harter, G. A., 15, 16.
Hartman, H. R., 53.
Hartman, L. W., 45.
Hartman, W. S., 43.
Hartwell, B. L., 62.
Hartzell, F. Z., 49.
Hartzell, S. A., 26.
Hasbrouck, P. B., 35.
Haseman, L., 51.
Haskell, C. G., 5.
Haskell, E. J., 32.
Haskell, S. B., 35.
Haskins, H. D., 35.
Hastings, E. G., 75, 76.
Hatch, F. L., 21.
Hatch, K. L., 75.
Haugan, H. A., 21.
Haviland, L. P., 49.
Hawes, A., 57.
Hawes, A. F., 69.
Hawk, F. D., 12.
Hawk, P. B., 21.
Hawkes, Mrs. E. O., 71.
Hawkes, W. E., 36.
Hawley, C. L., 57.
Haworth, O. C., 24.
Hay, M. E., 72.
Hay, W. H., 59.
Hayden, C. C., 21, 22.
Hayes, A. W., 22.
Hayes, F. M., 28.
Hayes, M., 15.
Hayes, W. S., 64.
Hayhurst, P., 11.
Hays, Mrs. S. H., 20.
Hayward, H., 16.
Hayward, H. S., 71.
Haywood, W. G., 52.
Hazel, J. H., 19.
Headden, W. P., 13, 14.
Headlee, T. J., 27, 28.
Hean, C. S., 75, 76.
Hearn, W. E., 53.
Hearst, P. A., 11.
Heaton, E. B., 26.
Hebard, G. R., 77.
Heck, R. C. H., 47.
Hedges, C. C., 50.
Hedrick, U. P., 49.
Hedrick, W. O., 36.
Hegnauer, L., 22.
Hein, W. H., 73.
Heiss, J., 23.
Helder, G. K., 28.
Heldring, J. J. L., 73.
Heller, A. A., 45.
Heller, C. S., 70.
Hellman, I. W., 11.
Helme, N., 62.
Helyar, J. P., 69.
Hemphill, L. S., 40.
Hemphill, R. G., 5.
Henderson, C. B., 45.
Henderson, J. J., 31.
Henderson, V. H., 11.
Henderson, W., 18.
Henderson, W. F., 70.
Hendren, L. L., 18.
Hendrick, M., 36.
Hendricks, G. B., 68.
Hendrix, B. W., 56.
Henley, C., 36.
Henley, W. W., 10.
Henry, D. H., 63.
Henry, E. S., 14.
Henry, R. L., 30.
Henry, W., 4.
Henry, W. A., 75, 76.
Hensel, H., 36.
Hepburn, N. W., 22.
Hepburn, W. M., 23.
Hepner, F. E., 77.
Herbert, J. C., 39.
Herbert, J. W., jr., 47.
Herbert, R. O., 10.
Herget, A. M., 30.
Hering, J. W., 33.
Herms, W. B., 12.
Herren, D., 7.
Herrick, G. W., 50, 51.
Herrick, R. S., 14.
Herrington, J. A., 66.
Herrington, S. E., 66.
Herron, L. E., 71.
Hess, W. E., 4, 61.
Hetherington, C. W., 41.
Hetzel, R. D., 58.
Hewitt, C. E., 46.
Hewitt, J. L., 10, 11.
Heyl, F. W., 77.
Hibbard, B. H., 25.
Hibbard, P. L., 12, 13.
Hibbard, R. P., 39, 40.
Hibberd, G., 33.
Hibshman, E. K., 60, 61.
Hicks, A. M., 15.
Hidinger, L. L., 5.
Hiester, G., 59.
Higgins, B. B., 52.
Higgins, J. C., 15.
Higgins, J. E., 4, 20.
Hilary, F. A., 60.
Hilgard, E. W., 11, 12.
Hill, A. R., 41, 42.
Hill, C. O., 65.
Hill, D. H., 52.
Hill, G., 30.
Hill, Hampden, 52.
Hill, Hubert, 52.
Hill, H. A., 31.
Hill, H. H., 70.
Hill, H. W., 45.
Hill, J. A., 77.
Hill, J. B., 60, 61.
Hill, R. S., 33.
Hill, W. F., 59.
Hills, J. L., 5, 69.
Hilyer, J. V., 17.
Himes, R. L., 30.
Hinds, W. E., 7, 8.
Hine, J. S., 55.
Hinman, C. H., 27.
Hinton, W. A., 57.
Hiscock, F. H., 49.
Hitch, H. J., 34.
Hitchcock, A. E., 63.
Hite, B. H., 74.
Hoagland, D. R., 12, 13.
Hoagland, R., 37, 38, 39.
Hoard, W. D., 74.
Hobbs, C. M., 23.
Hoblit, M. L., 48.
Hodges, J. T., 67.
Hodges, T. E., 74.
Hodgins, M., 46.
Hodgkiss, H. E., 49.
Hoefer, E. G., 77.
Hoeppner, J. M., 73.
Hoff, E. J., 5.
Hoff, E. P., 68.
Hoffecker, F. H., 16.
Hoffman, A. H., 25.
Hoffman, J. W., 67.
Hoffmann, C., 75.
Hogenson, J. C., 67, 68.
Holbrook, P. K., 24.
Holcomb, G. N., 35.
Holcomb, J., 11.
Holdaway, C. W., 70.
Holden, C. C., 74.
Holden, P. G., 25.
Holden, R. J., 70.
Holland, E. B., 35.
Holley, G. M., 36.
Hollister, G. H., 53.
Hollister, S. P., 71.
Holloway, C. H., 63.
Holloway, G. A., 19.
Holloway, W. M., 17.
Holm, H. C., 12, 13.
Holmes, A. D., 63.
Holmes, W., 56.
Holmgren, A., 68.
Holroyd, I. E., 27.
Holsinger, C. V., 27.
Holt, C. L., 36.
Holt, S. V., 22.
Holt, V., 4, 20.
Homer, W. H., jr., 68.
Hook, J. N., 63.
Hooker, W. A., 4.
Hooper, A., 34.
Hooper, J. J., 28.
Hooper, V. A., 10, 11.
Hooper, W. D., 18.
Hoover, J. A., 54.
Hope, L., 75, 76.
Hopkins, C. G., 21, 22.
Hopkins, F. A., 28.
Hopkins, Mrs. H., 8.
Hopper, H. A., 12.
Hopphan, C. E., 36.
Hopson, G. A., 14.
Hopt, E., 44, 45.
Hornaday, W. A., 52.
Horne, A., 52.
Horne, W. T., 12.
Horner, J. B., 58.
Hoskins, J. D., 65.
Hosmer, R. S., 19.
Hossinger, J. H., 15.
Hotchkiss, W. S., 66.
Hottes, C. F., 21.
Houghton, C. O., 16.
House, A. B., 57.
House, E. B., 13.
House, W. L., 27.
Householder, F. C., 54.
Houser, J. S., 56.
Houser, T., 56.
Houseworth, E. E., 67.
Houston, E. W., 42.
Houston, H., 62.
Houston, M. E., 71.
Houston, S. T., 34.
Hovland, H. B., 37.
Howard, F., 27,

Howard, J. T., 35.
Howard, O. T., 40.
Howard, R. F., 44, 45.
Howard, S. F., 35.
Howard, W. H. A., 18.
Howard, W. L., 41, 42.
Howe, A., 71.
Howe, E. D., 34.
Howe, F. W., 5.
Howe, R. B., 22.
Howell, D. B., 38.
Howell, E. A., 40.
Hubbard, G. D., 55.
Hubert, J., 33.
Hudnall, R. H., 70.
Hudson, R. S., 36.
Hudson, T. G., 18.
Huff, G. A., 21.
Huff, L. B., 59.
Huggins, J., 8.
Hughes, C. E., 49.
Hughes, C. M., 53.
Hughes, D. M., 18.
Hughes, H. D., 41, 42.
Hughes, H. J., 54.
Hull, A. L., 18.
Hull, D. C., 39.
Hull, E. L., 71.
Hulme, E. M., 20.
Humbert, E. P., 51.
Hume, A. N., 21, 22.
Hume, E. E., 29.
Humphrey, G. C., 75, 76.
Humphrey, H. B., 72, 73.
Humphrey, H. D., 13.
Hundertmark, R. E., 41.
Hunn, C. E., 51.
Hunn, C. J., 4, 20.
Hunt, A., 19.
Hunt, B. P., 8.
Hunt, L. W., 72.
Hunt, R. N., 73.
Hunt, T. F. (Cal.), 12.
Hunt, T. F. (Pa.), 6, 59, 60.
Hunt, Mrs. T. M. R., 67.
Hunter, J. E., 62.
Hunter, J. S., 12, 13.
Hunter, W. K., 65.
Huntington, A. M., 71.
Huntington, E. A., 68.
Huntsman, S., 68.
Hunziker, O. F., 23.
Hurd, W. D., 34.
Hurt, L. M., 36, 37.
Huse, H., 27.
Huston, F., 58.
Hutcheson, T. B., 70.
Hutchinson, W. L., 39, 40.
Hutchison, C. B., 41, 42.
Hutchison, G. G., 59.
Hutchison, J. R., 77.
Hutt, W. N., 52.
Hutton, G., 76.
Hyatt, E., 11.
Hyde, E., 71.
Hyslop, G. R., 58, 59.
Ickelheimer, H. R., 49.
Iddings, E. J., 14
Ikard, F., 56.
Iles, F. B., 49.
Iles, L. W., 49.
Ince, J. W., 54.
Ingham, H. E., 46.
Ingham, N. D., 12, 13.
Ingraham, E. S., 55.
Irvine, B. F., 57.
Irwin, W. G., 20.
Isaacs, C. A., 72.
Isaacs, R. L., 67.
Isaacson, J., 10.
Isham, C. S., 71.

Jackman, W. T., 69.
Jackson, C. A., 27.
Jackson, C. F., 46.
Jackson, E. P., 58.
Jackson, H. C., 61.
Jackson, H. S., 59.
Jackson, H. W., 60.
Jackson, J. H., 29.
Jackson, M., 74.
Jackson, P., 41.
Jackson, T. F., 40.
Jackson, W. M., 29.
Jackson, W. P., 34.
Jacob, M., 65.
Jacobs, E. C., 69.
Jacobs, W. S., 11.
Jacobson, C. A., 45.
Jaffa, M. E., 11, 12.
Jahns, L. M., 75, 76.
James, A. C., 71.
James, C., 46.
James, D. L., 22.
James, E. J., 21.
Jameson, L. M. B., 71.
Jamison, A. P., 23.
Jamison, G. A., 23.
Jamison, K., 29.
Jarnagin, M. P., 18.
Jarvis, C. D., 15.
Jarvis, C. M., 14.
Jarvis, J. D., 23.
Jason, W. C., 16.
Jastro, H. A., 11.
Jayne, S. O., 5.
Jefferies, J. H., 53.
Jeffery, J. A., 36, 37.
Jeffords, T. M., 56.
Jeffrey, J. S., 52.
Jeffs, R. E., 25.
Jenkins, E. E., 18.
Jenkins, E. H., 14.
Jenks, F. B., 35.
Jenness, J. R., 27.
Jennison, H. M., 35.
Jensen, W. A., 58.
Jenson, J. W., 67.
Jobbins, D. M., 48.
Jodidi, S. L., 26.
Johannsen, O. A., 32.
Johnson, A. G., 24.
Johnson, A. R., 47.
Johnson, C. D., 66.
Johnson, C. L., 58.
Johnson, F. C., 18.
Johnson, F. E., 12, 13.
Johnson, F. S., 11.
Johnson, G. G., 63.
Johnson, J., 75, 76.
Johnson, L., 42.
Johnson, L. A., 72.
Johnson, L. E., 69.
Johnson, L. R., 9.
Johnson, M. F., 36.
Johnson, R. F., 67.
Johnson, S. A., 13, 14.
Johnson, T. C., 70.
Johnson, T. S., 18.
Johnston, A. D., 38.
Johnston, B. M., 27.
Johnston, C. E., 4.
Johnston, E., 71.
Johnston, E. P., 27.
Johnston, W. W., 56.
Johnstone, A., 62.
Johnstone, B. H., 63.
Jones, A. A., 42.
Jones, A. C., 73.
Jones, A. E., 36.
Jones, C. B., 71.
Jones, C. E., 74.
Jones, C. H., 69.
Jones, C. L., 32.
Jones, D. C., 66.
Jones, E. B., 17.
Jones, E. L., 75.
Jones, E. M., 74.
Jones, E. R., 75, 76.
Jones, F. C., 9.
Jones, G., 10.
Jones, G. D., 75.
Jones, J. F., 60.
Jones, J. H., 34.
Jones, J. S., 20, 21.
Jones, L. A., 5.
Jones, L. R., 69.
Jones, M. P., 50.
Jones, M. V., 71.
Jones, O. B., 55.
Jones, P. W. L., 29.
Jones, R. C., 61.
Jones, R. K., 32.
Jones, T. J., 71.
Jones, W. J., 71.
Jones, W. J., jr., 23.
Jones, W. M., 25.
Jordan, A. E., 20.
Jordan, E. L., 30.
Jordan, H. B., 71.
Jordan, W. H., 5, 49.
Judah, C., 9.
Judisch, G., 25.
Judson, L. B., 50, 51.
Jurrjens, J. C., 76.

Kammeyer, J. E., 27.
Kanaga, E. D., 20.
Karnes, J. V. C., 41.
Kaufman, F. J., 60.
Kaupp, B. F., 13.
Kay, M., 27.
Kean, J. C., 40.
Kedzie, F. S., 36.
Kedzie, R. H., 36.
Keene, E. S., 53.
Keene, J. R., 34.
Keffer, C. A., 65.
Keith, W. J., 60.
Keitt, G. W., 63.
Keitt, T. E., 63.
Keitt, T. W., 62.
Keller, A. R., 19.
Keller, G., 75.
Kelley, A., 64.
Kelley, C. W., 53.
Kelley, W. P., 4, 20.
Kellogg, H., 25, 26.
Kellogg, L. L., 47.
Kellum, J. G., 16, 17.
Kelly, L., 4, 9.
Kelton, F. C., 10.
Kempster, H. L., 36.
Kendall, J. C., 27, 28.
Kennedy, C., 38.
Kennedy, C. D., 35.
Kennedy, C. V., 54.
Kennedy, M. B., 45.
Kennedy, P. B., 45.
Kennedy, W. J., 24, 26.
Kenney, F. C., 34, 35.
Kent, F. L., 58.
Kent, F. R., 33, 34.
Kenyon, A. M., 23.
Keppel, H. G., 17.
Kern, C. A., 69.
Kern, F. D., 23.
Kerr, A. P., 31.
Kerr, E. W., 30, 31.
Kerr, G. G., 15.
Kerr, J. P., 40.
Kerr, W. C., 49.
Kerr, W. J., 5, 58.
Kettle, S. I., 13.
Keyser, A., 13, 14.
Keyser, V., 6, 44.
Kidd, J. W., 66.
Kidder, A. F., 30.
Kidder, F. T., 68.
Kidder, I. A., 58.
Kiesselbach, T. A., 45.
Kiger, H. E., 24.
Kildee, H. H., 26.
Kilgore, B. W., 52.
Killebrew, C. D., 7.
Kimball, C. D., 61.
Kimbrough, J. M., 18.
King, C. M., 26.
King, E. M., 8.
King, E. S., 36.
King, F. G., 27, 28.
King, H. E., 9.
King, H. H., 27.
King, M. I., 29.

King, M. L., 26.
King, T. B., 16, 17.
King, W. E., 27, 28.
Kingman, H. E., 13.
Kingsbury, L., 71.
Kingsley, D. P., 68.
Kinkead, E. S., 29.
Kinley, D., 21.
Kinman, C. F., 4, 61.
Kinney, E. J., 29.
Kinzer, R. J., 27, 28.
Kipp, H. A., 5.
Kipp, O. L., 25.
Kirkaldy, G. W., 20.
Kirkpatrick, J. B., 47.
Kirkpatrick, K. A., 73.
Kirkpatrick, W. F., 62.
Kizer, C. G., 69.
Klamp, F., 20.
Kleeberger, F. L., 10.
Kleinheinz, F., 75, 76.
Kline, L. D., 69.
Klugh, W. W., 63.
Kluttz, W. L., 53.
Knabe, W. A., 65.
Knapp, H., 24, 25.
Kneale, R. D., 43.
Knepper, M. E., 58.
Knight, C. S., 45.
Knight, F. C., 27.
Knight, G. W., 55.
Knight, H. G., 77.
Knight, H. L., 4.
Knight, L. I., 63.
Knoerle, J., 42.
Knoll, F. P., 60.
Knorr, F., 43.
Knott, W. V., 17.
Knowles, N. S., 26.
Knudson, L., 50.
Koch, A. E., 64.
Koebele, A., 20.
Koeber, J., 58, 59.
Kohler, A. R., 38, 39.
Kollock, H. G. M., 15.
Kone, E. R., 66, 67.
Koonce, E. M., 51.
Kortright, F. L., 74.
Krak, J. H. B., 74.
Krall, J., jr., 5.
Kramer, W. H., 56.
Kraus, E. J., 58, 59.
Krauss, F. G., 4, 20.
Kraybill, B. E., 32.
Kreager, F. O., 72.
Krum, W. G., 51.
Kubin, E. F., 27, 28.
Kunerth, W., 25.
Kunkel, L. O., 41.
Kunst, F. B., 74.
Kyle, C., 68.
Kyle, E. J., 66.
Kyle, H. G., 64.

La Bach, J. O., 29.
Lacy, M. G., 70.
Ladd, E. F., 53, 54.
Laidley, G. S., 73, 74.
Lain, G. E., 48.
Lake, E. R., 58.
Lamb, W. A., 28.
Lambert, D. J., 62.
Lambert, G. M., 57.
Lamereaux, D. P., 74.
Lamoureux, A. J., 51.
Lamson, G. H., jr., 15.
Landacre, F. L., 55.
Landes, S. W., 56.
Landon, L. E., 36, 37.
Lane, C. H., 65.
Lane, D. J., 38.
Lane, S., 71.
Lane, W. C., 27.
Lane, W. P., 24.
Lang, Le R., 22.
Lang, M., 71.
Lange, H., 14.
Langridge, F. N., 14.
Langton, W. S., 67.
Langworthy, C. F., 4, 5.
Lansing, R. C., 38.
Larkins, L. S., 31.
Larsen, C., 64.
Larsen, C. M., 68.
Larsen, L. D., 20.
Larson, C. W., 60, 61.
Larson, R. A., 64.
Lassalle, L. J., 60.
Lassetter, W. C., 56.
Latane, R. P., 52.
Laton, T. J., 46.
Latshaw, J. B., 41.
Latta, W. C., 6, 23.
Lauck, W. H., 5.
Lauman, G. N., 50.
Laver, M. R., 55.
Lawrason, S. McC., 30.
Lawrence, C. W., 73.
Lawrence, E. A., 63.
Lawrence, J. W., 13.
Lawrence, W. E., 57.
Lawrence, W. H., 73.
Laws, A. G., 41.
Laws, L. P., 16.
Lawson, J. L., 29.
Laycock, W. E., 36.
Layman, J. D., 45.
Lazenby, W. R., 6, 55.
Lea, E. J., 12.
Lea, P., 15.
Lear, J. E., 66.
Leavell, R. H., 66.
Leavitt, R., 24.
Leavitt, S., 65.
Lee, C. E., 75, 76.
Lee, R. E., 62.
Leenhoff, J. W. van, 4, 61.
Lefevre, G., 41.
Le Fevre, J., 47.
Leffler, S., 36.
Legett, K. K., 66, 67.
Lehman, L. L., 21.
Leighton, V. L., 61.
Leitch, A., 25, 26.
Leland, E. W., 51.
Lemon, J. G., 19.
Lentner, S., 25.
Lenton, W., 10, 11.
Leonard, A., 27.
Leonard, W. J., 73.
Leupp, W. H., 47.
Levy, E. N., 63.
Lewers, K., 45.
Lewers, R., 45.
Lewis, A. F., 31.
Lewis, A. G., 49.
Lewis, C. E., 33.
Lewis, C. I., 58.
Lewis, J., 39, 40.
Lewis, J. T., 71.
Lewis, J. V., 47.
Lewis, L. L. (Okla.), 56, 57.
Lewis, L. L. (Va.), 71.
Lewis, L. M., 48.
Lewis, M. E., 20.
Lewis, T. K., 55.
Lewis, Z. R., 63.
Ligon, R. F., jr., 7.
Lincoln, J. R., 24.
Lind, J., 37.
Lindsey, A. E., 27.
Lindsey, J. B., 35.
Lindsey, R. W., 56.
Linfield, F. B., 5, 43.
Linklater, W. A., 56, 57.
Linnartz, L. E., 68.
Lipman, C. B., 12, 13.
Lipman, J. G., 47.
Lipp, C. C., 38, 39.
Lippincott, W. A., 25.
Little, C. N., 20.
Little, E. E., 26.
Littlejohn, A., 55.
Littlejohn, J. C., 63.
Liverance, W. B., 36.
Livermore, K. C., 50.
Livingston, G., 56.
Lloyd, E. R., 39.
Lloyd, F. E., 7, 8.
Lloyd, J. W., 21, 22.
Lloyd, W. A., 56.
Lloyd-Jones, E., 75.
Lockerman, J., 34.
Lockhart, O. C., 55.
Lockwood, W. P. B., 35.
Lodge, W. L., 36.
Logan, C. C., 22.
Logan, K. H., 27.
Logan, W., 8.
Logan, W. N., 39.
Logo, V. L., 60.
Lomax, J. A., 66.
Lommen, I., 25.
Long, M., 36.
Longyear, B. O., 13, 14.
Loomis, A., 75.
Lord, H. B., 49.
Lore, C. B., 15, 16.
Lory, C. A., 5, 13.
Lough, M. C., 73, 74.
Loughridge, J. E., 44.
Loughridge, R. H., 12.
Love, A. L., 40.
Love, H., 68.
Love, H. H., 50, 51.
Lovejoy, S. C., 59.
Loveland, G. A., 45.
Lovett, A. L., 57.
Low, A. S., 71.
Low, F. F., 71.
Low, S., 8.
Lowry, M. M., 74.
Lowry, M. W., 59.
Lowry, W. H., 74.
Lowman, W. R., 63.
Lucas, P., 57.
Ludlow, H. W., 71.
Lueder, C. A., 74.
Luick, H. F., 26.
Lumbrick, A., 22.
Lumpkins, H. L., 34.
Lumsden, D., 46.
Lund, J., 27.
Lund, T. H., 64.
Lunn, A. Q., 58, 59.
Lunn, W. M., 52.
Lustrat, J., 18.
Lutman, B. F., 69.
Lutrell, E. G., 10.
Lyford, V. G., 43.
Lyles, W. M., 30.
Lyman, J. F., 55.
Lyman, R. W., 35.
Lynam, W. T., 15.
Lynch, G. M., 17.
Lyon, H. L., 20.
Lyon, T. L., 50, 51.
Lyon, W. S., 51.

McAdory, I. S., 7, 8.
McAfee, C. B., 42.
McAlexander, U. G., 58.
McArdle, H. W., 53.
McArthur, W., 26.
McBeth, I. G., 25, 26.
McBride, R. E., 48.
McBryde, J. B., 70.
McBryde, J. M., 70.
McCaffrey, M. E., 75.
McCall, A. G., 55.
McCallum, A. T., 52.
McCallum, W. B., 10.
McCampbell, E. F., 55.
McCann, S. D., 29.
McCarthy, J., 48.
McClain, J. C., 18.
McClelland, T. B., 4, 61.
McClendon, S. E., 31.
McCloskey, A. G., 50.
McClung, H. L., 65.
McClure, J., 40, 41.
McClure, L. A., 45.
McCollum, A. R., 66, 67.
McCollum, E. V., 75, 76.
McConnell, W. R., 60.
McCool, M. M., 51.
McCormick, E. B., 26.
McCormick, V. C., 59.
McCrary, M. L., 57.
McCreary, O., 49.
McCreary, P. L., 12, 13.
McCrory, S. H., 5.

McCue, C. A., 16.
McCullough, J. G., 68.
McCune, C. N., 53.
McCune, E. C., 67.
McCutcheon, O. E., 20.
McDonald, M., 38.
McDonald, P., 36.
McDonald, W. T., 72, 73.
McDonnell, H. B., 33.
McDowell, Mrs. J. R., 42.
McDowell, M. S., 60.
McEathron, W. J., 5.
McElfresh, G. E., 58.
McEnerney, G. W., 11.
McFarlin, J. W., 29.
McFeely, E. A., 60.
McGarrah, S. W., 27.
McGeorge, H. L., 40.
McGregor, A. G., 29.
McGregor, P., 72.
McGuire, A. J., 38, 39.
McHatton, T. H., 18.
McIlvain, H., 57.
McInnis, E. C., 40.
McIntire, C. M., 22.
McIntire, W. H., 60, 61.
McIntosh, D., 21, 22.
McKay, A. B., 39, 40.
McKay, F. B., 35.
McKay, G., 72.
McKay, L. O., 68.
McKeag, E. C., 30.
McKee, R. H., 32.
McKeen, J., 25.
McKeever, W. A., 26.
McKell, J. E., 40.
McKelvie, S., 44.
McKenzie, A., 71.
McKinley, J. W., 11.
McKinley, M. B., 57.
McKnight, G. H., 55.
McKnight, H. L., 66.
McLaughlin, W. W., 5, 67.
McLean, J. A., 40.
McLean M., 71.
McLendon, C. A., 18.
McLester, Mrs. W. C., 19.
McLouth, F. D., 58.
McMillin, E., 50.
McMullan, A. J., 18.
McMurran, S. M., 49.
McNatt, H. E., 41, 42.
McNeil, J. H., 55.
McNutt, J. C., 46.
McPherson, H., 71.
McPherson, J. H. T., 18.
McPherson, W., 55.
McRae, E. M., 23.
McRae, J. P., 52.
McVea, C., 30.
McVeety, E., 54.
McVey, J. M., 16.
McVickar, W. N., 71.
McWethy, L. B., 77.
McWhorter, R. L., 18.
Macarthur, J. R., 48.
MacDonald, M. B., 60, 61.
Macdonald, S. L., 13.
MacDougal, F. H., 66.
MacGillivray, A. D., 50.
Machetanz, K. A., 38.
Mack, J. T., 54.
Mack, M., 27.
Mack, W. B., 45.
MacKenzie, A. St. C., 28.
Mackey, D. E., 14.
Mackimmie, A. A., 35.
Mackintosh, R. S., 7, 8, 25.
Maclean, E., 25.
MacLean, J. A., 20.
Macmillan, J. C., 17.
MacMinn, G. R. 25.
MacMurray, A., 24.
MacNeal, W. J., 21, 22.
MacNider, G. M., 52.
Macpherson, H., 36.
Madaus, H. H., 24.
Madden, G. H., 21.
Madison, E. W., 67.
Madson, B. A., 26.
Maer, P. W., 39.
Magruder, W. H., 39.
Mahin, E. G., 23.
Mahoney, R. E., 5.
Mairs, T. I., 60.
Major, C., 23.
Major, D. R., 55.
Major, E. W., 12.
Major, H. F., 22.
Malde, O. G., 76.
Mallette, E. A., 62.
Mallon, G. W., 54.
Mallory, W. L., 70.
Manchester, H. G., 14.
Maney, T. J., 26.
Maning, R. I., 62.
Mann, A. R., 50, 51.
Mann, C. D., 62.
Manns, T. F., 56.
Mansell, R. E., 12.
Mansur, Z. M., 68.
Marbut, C. F., 41, 42.
Marelli, H., 48.
Marinoni, U., 31.
Mariotte-Davies, P., 23.
Markey, W. E., 76.
Marks, J. D., 31.
Marlatt, A. L., 75, 76.
Marr, R. A., 70.
Marquardt, C. E., 60.
Marquette, W. G., 75.
Marquis, J. C., 75, 76.
Marsden, R. D., 5.
Marsh, H. E., 36.
Marshall, C. E., 36, 37.
Marshall, Mrs. F. E., 43.
Marshall, F. R., 55.
Marshall, G. W., 15, 16.
Marshall, I. W., 29.
Marshall, W. S., 75.
Marsteller, R. P., 66.
Martin, A. E., 18.
Martin, G. H., 34, 35.
Martin, H. L., 7.
Martin, L. H. O., 18.
Martin, S. M., 62.
Martinet, Mrs. L. M., 31.
Marty, G., 75, 76.
Mason, C. J., 15.
Mason, F. F., 33.
Mastin, J. C., 29.
Matheson, R., 51.
Mathews, H. B., 64.
Mathewson, T. G., 61.
Matthews, M., 38.
Matthews, C.W., 28.
Matthews, W. C., 29.
Mauldin, I. M., 62.
Maxfield, E. K., 16.
Maxson, R. N., 28.
Maxwell, A. M., 40.
May, D. W., 4, 61.
May, E. E., 54.
May, V. B., 48.
Mayhew, S. J., 8.
Maynard, B. S., 20.
Maynard, J., 64.
Maynard, W. H., 65.
Mayne, D. D., 37, 38.
Mayo, N. S., 70.
Mayo, W. J., 37.
Meacham, F. T., 53.
Mead, E., 12.
Mebane, A. L., 30.
Medcraft, W. G., 10.
Meek, E. B., 60, 61.
Meharg, A. S., 39.
Meiklejohn, R., 55.
Meinzer, E. G., 27.
Melander, A. L., 72, 73.
Melcher, C. R., 29.
Meldrim, P. W., 19.
Mellen, F. D., 40.
Melvin, M. E., 17.
Menefe, J. A., 57.
Menville, R. L., 30.
Merica, C. O., 76, 77.
Merrill, J. F., 32.
Merrill, J. W., 26.
Merrill, L. A., 68.
Merrill, L. H., 32.
Merrill, N. F., 69.
Merriman, E. G., 33.
Merrow, H. L., 61.
Merz, H., 77.
Messenger, J. F., 69.
Messick, S. H., 15.
Metcalf, Z. P., 53.
Meyer, G. H., 21.
Michaelides, H., 36.
Michels, J., 52.
Michie, J. N., 66.
Middlekauff, H., 77.
Middleton, A. R., 23.
Milham, J. A., 28.
Millard, E. B., 27.
Miller, A. M., 28.
Miller, C., 59.
Miller, D. G., 5.
Miller, E. R., 7.
Miller, E. S., 49.
Miller, F. C., 60.
Miller, F. E., 48.
Miller, H. A., 23.
Miller, H. P., 57.
Miller, J., 63.
Miller, J. H., 27.
Miller, J. O., 48.
Miller, LeR. F., 64.
Miller, L. M., 30.
Miller, M. F., 41, 42.
Miller, S. H., 41.
Miller, T. E., 63.
Millett, H. A., 33.
Mills, G. F., 34.
Mills, H. C., 24.
Mills, L. S., 24.
Mills, S. P., 32.
Milner, R. D., 5.
Milner, R. T., 66, 67.
Miltimore, C. A., 57.
Milward, J. G., 75, 76.
Minard, A. E., 54.
Miner, L. R., 72.
Minkler, F. C., 47, 48.
Minns, E. R., 50, 51.
Minor, J. B., 53.
Minor, R. S., 12.
Mitcham, G. N., 7.
Mitchell, A., 66.
Mitchell, C. E., 74.
Mitchell, G., 25.
Mitchell, H. E., 72.
Mitchell, H. F., 57.
Mitchell, H. W., 59.
Mitchell, J. W., 66.
Mitchell, S. R., 48, 49.
Mitchell, W. LeR., 7.
Miyawaki, A., 27, 28.
Mixter, C. W., 69.
Mobley, J. H., 18.
Moffit, E. H., 20.
Mohn, E., 56.
Moir, A. T., 51.
Mokler, A. J., 76.
Moncure, W. A. P., 70.
Money, P. A., 61.
Monosmith, P. B., 40.
Monroe, A., 27, 28.
Monteith, H. R., 15.
Montgomery, E. G., 44.
Montgomery, J. C., 40.
Montgomery, L. M., 56.
Mooers, C. A., 65.
Moore, A. J., 39, 40.
Moore, E. L., 64.
Moore, F. C., 46.
Moore, H. E., 20.
Moore, H. J., 51.
Moore, J. G., 75, 76.
Moore, J. S., 39, 40.
Moore, K. T., 9.
Moore, P., 21.
Moore, P. H., 64.
Moore, R. A., 75, 76.
Moorhead, M. B., 38.
Moorhouse, L. A., 56, 57.
Mooring, D. C., 62.
Moorman, R. M., 42.
Moran, T. F., 23.
Morehouse, A. D., 5.
Morgan, A. E., 5.

Morgan, H. A., 65.
Morgan, J. F., 62.
Morgan, J. O., 39.
Morley, W. S., 20.
Morman, J. B., 4.
Morphis, R. W., 53.
Morrell, L. L., 49.
Morrey, C. B., 55.
Morrill, A. W., 10.
Morris, E. L., 12, 13.
Morris, H. E., 43.
Morris, J., 18.
Morris, M. M., 25.
Morris, O. M., 56, 57.
Morris, R., 47.
Morris, R. T., 50.
Morris, S., 72.
Morris, T. D., 65.
Morris, W., 16.
Morris, W. E., 76.
Morris, W. F., 52.
Morrison, C. B., 14.
Morrison, G. L., 72.
Morrison, J. H., 67.
Morrison, W. S., 62.
Morrow, H. E., 10.
Morse, E. W., 4.
Morse, W. C., 55.
Morse, W. J., 33.
Mortensen, M., 24, 26.
Mortland, I., 30.
Morton, G. E., 13.
Morton, J., 49.
Mosby, T. S., 42.
Moseley, J. H., 41.
Moses, A., 66.
Mosher, A. G., 25.
Mosier, J. G., 21, 22.
Moten, J., 42.
Moton, R. R., 71.
Moulton, C. R., 41, 42.
Mower, E. C., 68.
Mowry, J. L., 38.
Mudge, M., 27.
Muir, F. W., 20.
Muldrow, C., 63.
Mulford, H. Du B., 47.
Mulligan, C. A., 65.
Mulvania, M., 65.
Mumford, F. B., 41, 42.
Mumford, H. W., 21, 22.
Mundell, J. E., 48, 49.
Mundhenk, C. L., 25.
Munford, B. B., 71.
Munford, W., 8.
Munro, D. C., 69.
Munroe, J. M., 33.
Munson, W. M., 6, 74.
Murphree, A. A., 17.
Murphy, D. D., 24.
Murphy, H. S., 25.
Murphy, T. E., 40.
Murray, C., 25.
Murray, G. S., 42.
Murray, R., 57.
Murrell, G. T., 19.
Musback, F. L., 75.
Musgrave, J. S., 69.
Musselman, H. H., 36.
Mustaine, W. W. H., 29.
Mustard, L. W., 15.
Myers, C. E., 60, 61.
Myers, C. H., 22.
Myers, H. B., 65.
Myers, J. J., 36.
Myers, T. R., 65.
Myrick, A. B., 69.

Nagle, J. C., 66.
Nalley, H., 33.
Napier, J. M., 75, 76.
Napp, W. G., 31.
Nash, C. W., 28.
Naylor, N., 25.
Neal, J. W., 4, 9.
Neal, R. W., 35.
Needham, J. G., 50.
Neel, L. R., 65.
Neelly, J. E., 10.
Neely, R. C., 18.
Nehrling, A. H., 22.
Neilson, J., 47, 48.
Nelson, A., 77.
Nelson, A. P., 75.
Nelson, B. F., 37.
Nelson, E., 20, 21.
Nelson, J., 47.
Nelson, J. B., 43.
Nelson, M., 10, 11.
Nelson, R. J., 10.
Nelson, S. B., 72, 73.
Nelson, W. P., jr., 66.
Nesbit, A. F., 46.
Ness, H. (Iowa), 25.
Ness, H. (Tex.), 66.
Netherton, T. M., 13.
Nettleton, M. W., 72.
Newbern, H. E., 17.
Newbury, W. R., 53.
Newell, W., 66.
Newman, C., 36.
Newman, C. C., 63.
Newman, C. L., 52.
Newman, C. M., 70.
Newman, J. T., 50.
Newman, P. J. 27.
Newsom, I. E., 13.
Newton, H. D., 15.
Newton, J. T., 18.
Newton, W. R., 47.
Nicholas, N., 65.
Nichols, C. B., 28.
Nicholson, J. F., 20, 21.
Nicholson, J. W., 30.
Nickerson, W. J., 31.
Niederhauser, S. W., 60.
Niederman, G., 22.
Nix, N. C., 63.
Nixon, C., 51.
Noble, A. B., 24.
Noble, E. C., 44.
Noble, M. C. S., 53.
Nock, N. W., 70, 71.
Noe, J. T. C., 29.
Noel, E. F., 39, 40.
Noel, H. L., 39.
Noell, R. J., 69.
Nolan, A. W., 74.
Noll, C. F., 60, 61.
Norby, A. J., 63.
Norcross, P., 75.
Norgord, C. P., 75, 76.
Norman, A. J., 33, 34.
Norment, J. W., 39.
Norris, R. S., 20.
Northcott, G. A., 73, 74.
Northrop, C., 37, 38.
Northrup, Z., 36, 37.
Norton, G. I., 25.
Norton, J. B. S., 33.
Norton, J. H., 12.
Nourse, D. O., 63.
Noyes, J., 35.
Nutter, J. H., 34.
Nutter, J. W., 29.
Nye, W. McE., 23.
Nystrom, A. B., 27.

Oak, J. M., 32.
Oates, M. B., 11.
Oberdorffer, W. J., 35.
Obrecht, R. C., 21, 22.
Ocock, C. A., 75, 76.
Odell, F. L., 25.
Ogden, E. L., 4.
Ogden, R. C., 8, 71.
Ogier, T. L., 66.
O'Hanlon, W., 49.
O'Kane, W. C., 46.
Okey, C. W., 5.
Olcott, J. B., 14.
Olive, E. W., 64.
Oliver, H., 27.
Oliver, J. D., 23
Oliver, T. E., 21.
Olmsted, M. E., 59.
Olson, G. A., 73.
Olson, O. M., 73.
Olwell, J. D., 57.
Opperman, C. L., 34.
Ormsbee, E. J., 68.
Orton, W. A., 70.
Orvis, E. L., 59.
Osborn, H., 55.
Osborne, M. G., 30.
Osborne, O. M., 20.
Osborne, T. B., 14.
Osler, H. S., 36.
Osmun, A. V., 35.
Ostrander, J. E., 35.
Oswald, W. L., 38.
Otey, M. J., 57.
Otis, D. H., 75, 76.
Overman, E. H., 45.
Oviatt, C. J., 77.
Owen, A. P., 48.
Owen, E. B., 52.
Owen, E. J., 47.
Owen, I. L., 47.
Owen, S. M., 37.
Owen, W. L., 31.

Paddock, W., 55.
Page, I. E., 57.
Paige, E. O., 18.
Paige, J. B., 35.
Palmer, E. S., 47.
Palmer, J. H., 9.
Palmer, M. A., 14.
Palmer, W. R., 32.
Pammel, L. H., 24, 26.
Panter, C. R., 31.
Park, J. B. (Ga.), 18.
Park, J. B. (Ill.), 22.
Park, R. E., 18.
Parker, C. E., 16.
Parker, H. C., 68.
Parker, H. M., 40.
Parker, J. B., 27, 28.
Parker, J. R., 35.
Parker, J. T., 27.
Parker, T. B., 52.
Parker, W. H., 36.
Parker, W. M., 46.
Parmelee, C. W., 47.
Parmelee, M., 68.
Parr, S. W., 21.
Parrish, G. R., 70.
Parrish, J. C., 41.
Parrott, A. H., 54.
Parrott, J. R., 70.
Parrott, P. J., 6, 49.
Parrott, R. B., 47.
Parshall, R., 14.
Parsons, C. L., 46.
Patch, E. M., 32.
Pate, W. F., 56.
Paterson, T. G., 27, 28.
Patrick, B. S., 7.
Patrick, I. L., 63.
Pattee, F. L., 59.
Pattee, G. K., 60.
Patten, A. J., 37.
Patten, D. W., 14.
Pattengill, E. A., 25.
Patterson, C. H., 74.
Patterson, H. F., 43.
Patterson, H. J., 33.
Patterson, J. K., 28.
Patterson, W. H., 59.
Patterson, W. K., 29.
Patton, C. A., 56.
Patton, E. H., 41.
Paull, L. F., 13.
Paulsen, T. C., 31.
Paxton, E. E., 20.
Payne, W. O., 18.
Paynter, E. R., 15.
Paynter, W. C., 42.
Payson, E. R., 47.
Payson, G. H., 47.
Peabody, F. G., 71.
Peabody, G. F., 8, 71.
Peairs, L. M., 33, 34.
Pearl, R., 32.
Pearson, Mrs. D. E., 19.
Pearson, G. E., 3.
Pearson, H., 19.
Pearson, R. A., 49.
Peck, A. L., 58, 59.
Peck, C., 68, 69.
Peck, S. S., 20.
Pedersen, N. A., 68.

Peek, E. L., 18.
Pegues, B. W., 30.
Pember, F. R., 62.
Pence, M. L., 29.
Pennewill, J., 15.
Pennewill, S. S., 15.
Penny, C. L., 16.
Pennycook, J., 14.
Peppard, L. L., 36.
Perin, S. W., 45.
Perkins, A. E., 41, 42.
Perkins, G. H., 69.
Perkins, H. F., 69.
Perkins, R. C. L., 20.
Perkins, S. O., 52.
Perkins, W. R., 40.
Pernot, E. F., 58.
Person, F. G., 14.
Peteet, W., 66.
Peter, A. M., 29.
Peters, A. T., 44.
Peters, L., 25.
Petersen, N. F., 30.
Peterson, E. G., 68.
Peterson, E. L., 73.
Peterson, L., 75.
Peterson, M. H., 75.
Peterson, P. P., 76.
Peterson, W., 68.
Peterson, W. H., 76.
Petrie, G., 7.
Petrie, T. H., 20.
Pettee, C. H., 46.
Pettit, J. H., 21, 22.
Pettit, R. H., 36, 37.
Petty, L. E., 27.
Pew, W. H., 25.
Pfersch, C. L., 48.
Phares, J., 40.
Phelps, Mrs. C. P., 49.
Phenix, G. P., 71.
Philbrick, A. E., 44.
Phillips, A. G., 27, 28.
Phillips, F. J., 44.
Phillips, H., 12, 13.
Phillips, J. H., 51
Phillips, J. McI., 55.
Phillips, J. V., 5.
Pickel, F. W., 10.
Pickel, J. M., 51.
Pickett, B. S., 46.
Pierce, H., 14.
Pierce, W. M., 57.
Pierpont, A. J., 14.
Pile, G. E., 17.
Pilkington, B., 59.
Pillsbury, J. P., 60, 61.
Pillsbury, R. W., 46.
Pillsbury, W. L., 21.
Pinckney, R. M., 43.
Pincomb, H. M., 22.
Pinkett, D. J., 34.
Pittuck, B. C., 56, 57.
Placeway, L. A., 25.
Plauche, S. W., 30.
Plumb, C. S., 55.
Poats, T. G., 62.
Pohlers, G. F., 5.
Pollard, A. G., 34.
Pomerene, F. E., 54.
Pompey, R. S., 9.
Pond, G. G., 59.
Pond, R. H., 63.
Pool, V. W., 45.
Pope, W. T., 19.
Porter, B. E., 19.
Porter, C. W., 68.
Porter, H. E., 27.
Porter, J. T., 65.
Porter, W. M., 58.
Porter, W. R., 11.
Porterfield, W. P., 53.
Posey, F. D., 18.
Post, C., 74.
Post, H. R., 16.
Potter, A. A., 27.
Potter, E. L., 58, 59.
Potter, H. B., 64.
Potter, P. D., 60.
Potter, W. R., 20.
Potts, A. R., 36.
Potts, R. C., 56, 57.
Potts, R. J., 66.
Potts, S. A. E., 42.
Powell, E. J., 18.
Powell, H. McL., 10.
Powell, J. H., 41.
Powell, J. P., 9.
Powell, J. S., 68.
Powell, J. W., 7.
Powers, D. T., 30.
Powers, H. H., 68.
Powers, J. N., 39, 40.
Powers, M. R., 62.
Powers, W. H., 64.
Powers, W. L., 58, 59.
Pratt, C. D., 72.
Pratt, F. R., 47.
Pratt, G. K., 30.
Pratt, L. A., 46.
Pratt, W. F., 50.
Prentiss, R. W., 47.
Prescott, A. T., 30.
Preston, C. H., 34.
Price, A. M., 72.
Price, H. C., 55.
Price, H. L., 70.
Price, J. C. C., 7, 8.
Price, R. B., 41, 42.
Price, R. R., 27.
Prichard, J. G., 30.
Prien, O. L., 77.
Prillerman, B., 74.
Prince, W. E., 32.
Pringle, C. G., 69.
Pritts, J. H., 34.
Privott, W. W., 34.
Proctor, R., 68.
Proctor, W. R., 54.
Proulx, E. G., 24.
Prouty, G. H., 68.
Prucha, M. J., 49.
Pryor, J. W., 29.
Publow, C. A., 50, 51.
Pugsley, C. W., 44, 45.
Pullen, M. W., 25.
Pulley, E. P., 68.
Purdy, L., 25.
Purinton, D. B., 73.
Puryear, C., 66.
Putnam, E., 27.
Putnam, F. W., 46.
Putnam, G. A., 6.
Putney, F. S., 41, 42.
Pyle, C. A., 38.

Quarles, J. H., 66.
Quayle, H. J., 12.
Quereau, F. C., 31.
Quick, E., 72.
Quigley, J. E., 59.
Quinby, H. B., 46.

Radford, E., 48.
Radford, J. B., 53.
Rae, R., 25.
Ragan, W. H., 51.
Raggio, A. P., 32.
Rahn, O., 36, 37.
Raiford, L. C., 77.
Rail, E., 44, 45.
Ralston, W. E., 72.
Ramsey, H. J., 12.
Ramsey, J. B., 9.
Ramsey, J. R., 41.
Ramsower, H. C., 55.
Randall, D. L., 46.
Randlett, G. W., 54.
Ranger, W. E., 61.
Rankin, F. H., 22.
Rankin, J. O., 4.
Ransom, J. H., 23.
Rasche, W. H., 70.
Rasmussen, F., 46.
Ratcliff, J. A., 57.
Rather, J. B., 66.
Rausch, M. F., 13.
Raven, F. W., 36.
Ravenel, M. P., 75, 76.
Rawl, B. H., 62.
Ray, B. J., 52.
Ray, J. E., 33.
Ray, P. O., 59.
Raymond, W. R., 25.
Rea, H. K., 42.
Read, A. C., 59.
Read, W. A., 30.
Reade, J. M., 18.
Readhimer, J. E., 22.
Reardon, J., 25.
Reddick, D., 50, 51.
Redfern, A. M., 63.
Redifer, A. E., 60.
Reed, A. G., 30.
Reed, C. C., 34.
Reed, E. E., 30.
Reed, G. M., 41, 42.
Reed, H. R., 28.
Reed, H. S. (Mich.), 36.
Reed, H. S. (Va.), 70.
Reed, J. C., 35.
Reed, L. J., 32.
Reed, O. E., 23, 24.
Reeder, G., 41, 42.
Rees, E. L., 29.
Reese, A. M., 73.
Regt, A. C., de, 47.
Reid, I. C., 10.
Reimer, F. C., 52.
Reinstein, J. B., 11.
Remick, B. L., 26.
Remington, R. E., 54.
Rentschler, M. J., 60.
Ressler, E. DeV., 58.
Reynolds, E., 15.
Reynolds, E. S., 65.
Reynolds, J., 27.
Reynolds, M. H., 37, 38, 39.
Reynolds, P. L., 35.
Rhoades, L. A., 55.
Rhys, A., 41, 42.
Rice, A., 27.
Rice, A. E., 37.
Rice, C. W., 24.
Rice, J. E., 50, 51.
Rice, T., 56.
Rich, F. A., 69.
Richards, A., 48.
Richards, J. C., jr., 62.
Richards, W. B., 54.
Richardson, C. S., 33.
Richardson, M. R., 52.
Richeson, W. L., 31.
Rickman, J. D., 27.
Ricks, J. R., 40.
Ricks, R. H., 51.
Ridenour, A. E., 27.
Ridgaway, C. B., 77.
Ridgway, C. S., 7.
Ridgway, J. W., 7.
Rietz, H. L., 22.
Riggs, J. F., 24.
Riggs, W. M., 62.
Riley, H. W., 50.
Riley, W. A., 50.
Rinkle, L. G., 41, 42.
Ritzman, E. G., 4, 61.
Rivarde, L. R., 31.
Rives, J. H., 30.
Robert, S. A., 65.
Roberts, E. E., 10.
Roberts, G., 28, 29.
Roberts, G. A., 52.
Roberts, G. L., 23.
Roberts, H. F., 26, 28.
Roberts, I. P., 50.
Roberts, J. A., 32.
Roberts, J. W., 63.
Roberts, M. M., 25.
Roberts, O. S., 24.
Roberts, R., 68.
Roberts, R. M., 12, 13.
Roberts, S. C., 73.
Robertson, G. H., 20.
Robertson, J. E., 36.
Robertson, W., 39.
Robinson, C. S., 37.
Robinson, D., 39.
Robinson, J. S., 33.
Robinson, R. R., 9.
Robinson, T. A., 57.
Robinson, W. A., 36.

Robinson, W. F., 53.
Robson, Mrs. G. A., 36.
Rockafellow, B. F., 13.
Rockwell, A. B., 72.
Rockwell, W. L., 5.
Rodeheaver, J. N., 64.
Rodell, E. N., 27.
Rodes, W., 29.
Rodgers, M. C., 67.
Rodgers, R. H., 58.
Rodman, T. C., 62.
Roe, H. B., 38.
Roe, R. B., 14.
Rogers, A. J., jr., 75, 76.
Rogers, B., 27.
Rogers, C. A., 50, 51.
Rogers, F. K., 71.
Rogers, J. S., 60.
Rogers, S. S., 13.
Rolfe, C. W., 21.
Rolfs, F. M., 42.
Rolfs, P. H., 5, 17.
Rollins, C. B., 41.
Rollins, W. C., 67.
Rose, A. R., 49.
Rose, C. G., 53.
Rose, D. H., 27, 28.
Rose, F., 51.
Rose, J. S., 12.
Rose, L. H., 57.
Roseboom, B. A., jr., 36.
Roskruge, G. J., 9.
Ross, B. B., 7, 8.
Ross, E. J., 57.
Ross, H. E., 50.
Ross, W. G., 60, 61.
Ross, W. H., 10.
Roston, J. M., 19.
Rouce, J. A., 57.
Rouse, I., 49.
Routten, W. W., 40.
Rowan, L. J., 41.
Rowe, W. E., 29.
Rowell, C., 11.
Rowell, J. L., 69.
Rowell, T. D., 66, 67.
Roy, V. L., 30, 31.
Rudd, W. N., 65.
Rudolph, R., 68.
Rudy, A., 52.
Rueber, A., 54.
Ruggles, A. G., 38, 39.
Rule, W., 64.
Rumbold, C., 41.
Rumsey, W. E., 74.
Runk, J. A., 60.
Runkle, E. W., 59.
Rusk, E. W., 41, 42.
Rusk, H. P., 23.
Russell, A. R., 52.
Russell, F. L., 32.
Russell, H. L., 5, 75, 76.
Russell, S. M., 9.
Russell, W. J., 7.
Ruth, W. A., 22.
Rutherford, J. F., 10.
Rutland, J. R., 7.
Ruzek, C. A., 11.
Ryall, B. R., 24.
Ryder, E. H., 36.

Saby, A. G., 58.
Sackett, H. W., 49.
Sackett, W. G., 13, 14.
Safford, R. B., 25.
St. Clair, P. F., 69.
St. Martin, F. L., 31.
St. Peter, L. U., 75.
Salyer, S. M., 18.
Sammis, J. L., 75, 76.
Sampson, D. L., 56.
Sampson, G. M., 17.
Sanborn, C. E., 57.
Sanborn, F. E., 55.
Sandell, H., 75.
Sanders, J. W., 30.
Sanders, J. Y., 30.
Sanders, M. B., 57.
Sanders, S. T., 30.
Sanderson, E. D., 6, 46.
Sandoz, B. J., 30.
Sanford, E. T., 64.
Sanford, F., 53.
Sanford, F. H., 36.
Sanford, S. V., 18.
Sater, L. F., 54.
Saunders, W. D., 70.
Savage, E. S., 50, 51.
Savage, J. T., 40.
Sawyer, A. R., 36.
Sawyer, C. E., 63.
Scammon, R. M., 46.
Schaefer, F. A., 20.
Schaeffer, N. C., 59.
Schaffner, J. H., 55.
Schaphorst, W. F., 48.
Schaub, I. O., 52.
Scheffer, T. H., 27, 28.
Schenk, L. H., 47.
Scherffius, B. F., 29.
Scherffius, W. H., 29.
Schieffelin, W. J., 8, 71.
Schmelz, H. L., 71.
Schmidt, L. B., 25.
Schmitt, C. D., 65.
Schmitz, N., 33.
Schnabel, J., 42.
Schnaitter, M. R., 29.
Schoene, W. J., 49.
Schoenleber, F. S., 27, 28.
Schoentgen, E. T., 24.
Scholl, E., 66.
Schollander, E. G., 54.
Schoppe, W. F., 43.
Schreiber, W. E., 57.
Schryver, E., 54.
Schuele, C. H., 73.
Schuler, C., 30.
Schulte, J. I., 4.
Schultz, L., 56.
Schulz, C. G., 37.
Schurman, J. G., 49, 50.
Schwab, C. H., 59.
Schwartze, C. A., 41.
Schweitzer, P., 41, 22.
Scoffin, L. B., 65.
Scott, A., 47.
Scott, C. A., 24, 26.
Scott, C. W., 46.
Scott, E. L., 30.
Scott, F. W., 21.
Scott, G. A., 32.
Scott, G. E., 56.
Scott, J. M., 17.
Scott, N. A., 74.
Scott, R. W., 52.
Scott, R. W., jr., 53.
Scovell, M. A., 6, 29.
Scoville, W. H., 71.
Scrogge, W. O., 30.
Scudder, E. N., 40.
Scudder, H. D., 58, 59.
Scudder, M. T., 47.
Seage, G. E., 15.
Searle, J. P., 47.
Sears, F. C., 35.
Sears, W. J., 54.
Sease, L. A., 63.
Seaton, R. A., 27.
Sebastian, W. P., 66, 67.
Secrest, E., 56.
Segall, J. B., 32.
Seibert, D., 33.
Selby, A. D., 56.
Selby, L. B., 52.
Seldomridge, H. G., 57.
Sessums, I. D., 40.
Setchell, W. A., 11, 12.
Seth, J. B., 33.
Severance, G., 72, 73.
Severance, R. C., 19.
Severin, H. C., 64.
Sewall, T., 38.
Sewell, A. H., 50.
Shaeffer, A. A., 65.
Shafer, F. F., 5.
Shafer, G. D., 36, 37.
Shaforth, J. T., 13.
Shanklin, A. G., 63.
Shanks, L. P., 65.
Shannon, E. F., 10.
Sharp, J. C., 67.
Shattuck, C. H., 20.
Shattuck, F. V., 25.
Shattuck, H. B., 69.
Shattuck, S. W., 21.
Shaw, A. M., 5.
Shaw, C. F., 60, 61.
Shaw, G. W., 12.
Shaw, H. B., 69.
Shaw, J. E., 9.
Shaw, J. K., 35.
Shaw, R. H., 41, 42.
Shaw, R. S., 36, 37.
Shaw, S. B., 53.
Shaw, W. T., 72, 73.
Shawkey, M. P., 73, 74.
Shedd, C. K., 44.
Shedd, O. M., 29.
Shedd, S., 72.
Sheldon, J. L., 74.
Shepard, C. E., 14.
Shepard, C. S., 49.
Shepard, E. R., 58.
Shepard, J. H., 64.
Shepperd, A., 54.
Shepperd, J. H., 53, 54.
Shepperd, J. L., 38.
Sherman, C. E., 55.
Sherman, F., jr., 52.
Sherwin, M. E., 32.
Sherwood, F. W., 52.
Shi, B. L., 7.
Shields, J. F., 59.
Shields, R. L., 55.
Shines, P. L., 8.
Shockley, A. R., 34.
Shoemaker, C. E., 23.
Shoesmith, V. M., 55.
Shook, L. W., 8.
Short, A. K., 11.
Short, C. A., 16.
Shuford, W. J., 52.
Shull, H., 51.
Shute, W. W., 48.
Sievers, J. F., 75, 76.
Sigerfoos, E., 37, 38.
Silvester, R. W., 33.
Simmons, A. L., 54.
Simmons, G. E., 32.
Simmons, L. Van T., 60.
Simms, G., 34.
Simpson, H. H., 48, 49.
Simpson, J. N., 74.
Simpson, O. G., 58, 59.
Simpson, R. O., 8.
Simpson, R. W., 62.
Sinclair, W., 33.
Singler, J. J., 75, 76.
Singleton, C. B., 10.
Sirrine, F. A., 49.
Sisson, L. M., 72.
Sisson, S., 55.
Skinner, B. S., 52.
Skinner, J. H., 23.
Skinner, J. L., 7.
Slack, C. W., 11.
Slagle, R. L., 64.
Slate, W. L., jr., 46.
Slater, E. K., 38.
Sloan, P. H. E., 62.
Sloan, R. E., 9.
Sloat, W. E., 36.
Slocum, A. W., 69.
Smart, T., 67.
Smiley, G., 64.
Smith, A., 39.
Smith, A. G., 30.
Smith, A. M., 38.
Smith, A. W., 20.
Smith, B. G., 75.
Smith, C. A., 37.
Smith, C. C., 9.
Smith, C. M., 23.
Smith, C. O. (Cal.), 12.
Smith, C. O. (Ohio), 56.
Smith, C. P., 68, 69.
Smith, D. P., 28.
Smith, E. C., 68.
Smith, E. H., 12.

Smith, E. O., 15.
Smith, F., 21.
Smith, F. H., 62.
Smith, G., 38.
Smith, G. A., 49.
Smith, G. E. P., 10.
Smith, H., 68.
Smith, H. F., 25.
Smith, H. M., jr., 69.
Smith, H. R., 44.
Smith, I. W., 54.
Smith, J. B., 47, 48.
Smith, J. E. (Kans.), 27.
Smith, J. E. (Md.), 34.
Smith, J. T., 72.
Smith, L., 30.
Smith, L. B., 60.
Smith, L. H., 21, 22.
Smith, M. E., 9.
Smith, M. L., 36, 37.
Smith, M. M., 25.
Smith, O. C., 15.
Smith, P. H., 35.
Smith, R., 42.
Smith, R. E. (Cal.), 12.
Smith, R. E. (Iowa), 25.
Smith, R. F., 66.
Smith, R. G., 22.
Smith, R. I., 52.
Smith, R. O., 47.
Smith, W. B., 31.
Smith, W. G., 19.
Smith, W. O., 20.
Smith, W. W., 23.
Smyth, E. A., jr., 70.
Smyth, E. G., 70.
Snelgrove, I. P., 36.
Snelling, C. M., 18.
Snodgrass, A. D., 41.
Snodgrass, M. D., 4, 9.
Snow, C. M., 72.
Snow, F. C., 43.
Snow, L. F., 29.
Snyder, A. H., 25.
Snyder, J. L., 5, 35, 36.
Snyder, W. P., 45.
Sommers, S. L., 4.
Sorley, L. S., 30.
Sorrell, E. W., 31.
Soule, A. M., 5, 6, 18.
Southall, J. P. C., 7.
Spain, W. W., 43.
Spangler, S. M., 65.
Sparks, D. A., 17.
Sparks, E. E., 59.
Sparks, H. W., 73.
Spaulding, M. H., 43.
Spear, A. E., 72.
Spearing, J. H., 30.
Spears, H. D., 29.
Spence, D. W., 66.
Spence, T. H., 33.
Spencer, J. G., 40.
Spencer, J. W., 51.
Spencer, W. S., 62.
Spillman, P. H., 59.
Spinney, L. B., 24.
Spitzer, G. W., 23.
Sponsler, A. L., 26.
Spragg, F. A., 37.
Sprague, C. A., 52.
Sprague, R. J., 32.
Spriggs, W. A., 74.
Spring, S. N., 14.
Springer, C. W., 74.
Spurway, C. H., 36.
Squires, J. H., 48, 49.
Stabler, A. L., 34.
Stadtmueller, F. H., 14.
Stahl, H. G., 62.
Stahl, H. S., 70.
Stallworth, H. W., 40.
Standish, C. K., 66.
Stanford, J. F., 11.
Stange, C. H., 24, 26.
Stangeland, C. E., 72.
Stanley, C. H., 33.
Stanley, L., 41.
Stanton, E. W., 24.
Stanton, P. H., 11.
Stark, C. R., 39.
Stark, W., 40.
Stathers, M., 74.
Stayer, E. S., 16.
Stecker, H. F., 60.
Stedman, J. M., 5.
Steeb, C. E., 54.
Steenbock, H., 75, 76.
Stelzenmuller, J. G., 7.
Stene, A. E., 62.
Stephens, J., 43.
Stephens, J. V., 18.
Stephens, L., 25.
Stephens, R. P., 18.
Stephenson, C. F., 15.
Stetson, C. B., 69.
Stevens, A. T., 15.
Stevens, F. C., 50.
Stevens, F. D., 8.
Stevens, F. L., 52.
Stevens, Mrs. J. A., 72.
Stevens, J. S., 32.
Stevens, W. H., 15.
Stevenson, E. L., 47.
Stevenson, W. H., 25, 26.
Stewart, A., 46.
Stewart, C., 68.
Stewart, C. E., 53.
Stewart, E. D., 54.
Stewart, F. C., 49.
Stewart, H. W., 22.
Stewart, J. H., 74.
Stewart, J. P., 60.
Stewart, J. S. (Ga.), 18.
Stewart, J. S. (W.Va.), 73.
Stewart, J. T., 5, 37, 38.
Stewart, L. F., 57.
Stewart, M. A., 74.
Stewart, O. M., 41.
Stewart, R., 68.
Stickley, M. B., 51.
Stinard, J. F., 60.
Stockard, E. L., 52.
Stocker, A., 57.
Stocker, G. P., 49.
Stockham, W. L., 54.
Stocking, W. A., jr., 50, 51.
Stockly, J. C., 15.
Stockton, F., 48, 49.
Stoddart, C. W., 75, 76.
Stohl, L. N., 67.
Stokes, N. B., 62.
Stokes, W. B., 7.
Stoll, R. C., 28.
Stoltenberg, F. C., 64.
Stone, A. L., 75, 76.
Stone, C. W., 46.
Stone, D. O., 27.
Stone, E. A., 76.
Stone, G. E., 35.
Stone, H. S., 72.
Stone, I. V., 33.
Stone, J. F., 54.
Stone, J. L., 50, 51.
Stone, W. E., 5, 6, 23.
Stoneburn, F. H., 15.
Stoneking, J. B., 48, 49.
Stoner, M. A., 77.
Storm, A. Van, 25.
Storms, A. B., 24.
Storrs, L. J., 14.
Stott, R. G., 36.
Stouder, K. W., 27.
Stout, O. V. P., 5, 44.
Stout, R. L., 28.
Stout, F. O., 29.
Stover, A. P., 5.
Stover, M. E., 12, 13.
Strahan, C. M., 18.
Straus, I. L., 33.
Street, J. P., 14.
Stryke, A. C., 51.
Stuart, E. S., 59.
Stubbs, J. E., 45.
Stuckey, H. P., 18.
Stumberg, C. H., 30.
Stump, G., 27.
Sturdevant, L. B., 44, 45.
Sudro, W. F., 54.
Sugden, G., 72.
Suggs, D. C., 19.
Sullivan, J. J., 45.
Sulloway, R. W., 46.
Summers, A. G., 24.
Summers, H. E., 24, 26.
Summers, J., 33.
Summers, J. N., 35.
Summey, G., jr., 52.
Sunderland, J., jr., 45.
Surface, F. M., 32.
Sutherland, W. A., 48.
Suzuki, S. K., 75, 76.
Swanson, C. O., 28.
Swanzy, F. M., 20.
Swartwout, A. M., 42.
Sweeney, M. P., 49.
Sweeny, F. R., 63.
Sweet, B., 20.
Sweet, E. S., 20.
Swenk, M. H., 44, 45.
Swenson, M., 74.
Swezey, O. H., 20.
Swingle, D. B., 43.
Swire, R. P., 30, 31.
Switzler, I., 41.
Sylvester, D. W., 25.
Sylvester, W. W., 75, 76.
Symons, T. B., 33.
Sypherd, W. O., 16.

Taft, L. R., 36, 37.
Taft, W. H., 71.
Taggart, L., 25.
Taggart, W. G., 31.
Tailby, G. W., 51.
Tailby, G. W., jr., 50.
Taillandier, G., 58.
Taisne, T., 46.
Tait, C. E., 5.
Taliaferro, T. H., 33.
Taliaferro, W. T. L., 33.
Tallant, J. G., 46.
Tallman, W. D., 43.
Tanner, H. T., 41.
Tanner, J. T., 31.
Tartar, H. V., 59.
Tartar, N., 58.
Tate, D. L., 69.
Tate, W. A., 9.
Tatum, C. S., 66.
Taubenhaus, J., 16.
Taussig, R. J., 11.
Tayloe, W. H., 8.
Taylor, E., 26.
Taylor, E. J., 72.
Taylor, E. P., 42.
Taylor, F. D., 46.
Taylor, F. W., 46.
Taylor, G. H., 45.
Taylor, H. C., 75, 76.
Taylor, H. L., 49.
Taylor, J. R., 55.
Taylor, L. L., 47.
Taylor, L. M., 13, 14.
Taylor, O. M., 49.
Taylor, R. M., 36.
Taylor, S. S., 34.
Taylor, W. A., 6.
Taylor, W. C., 4, 61.
Taylor, W. J., 43.
Teele, R. P., 5.
Teeter, H. W., 51.
Teetzel, C. T., 68.
Temple, J. C., 18.
Ten Eyck, A. M., 27, 28.
Tenny, E. D., 20.
Terrell, C. B., 28.
Terrell, R. C., 29.
Terrill, B. M., 69.
Terry, F. W., 20.
Terry, O. P., 23.
Terry, W. K., 7.
Tessman, W. O., 72.
Test, E., 23.
Thach, C. C., 7.
Thackston, J. A., 17.
Thatcher, G. W., 68.
Thatcher, R. W., 72, 73.
Theophile, E. M., 31.
Thom, C., 15.
Thom, C. C., 73.
Thomas, A. T., 15.

Thomas, D. W., 30.
Thomas, E. K., 62.
Thomas, G., 67.
Thomas, J. L., 66.
Thomas, M. (Ohio), 55.
Thomas, M. (Utah), 67.
Thomas, S. F., 65.
Thomas, W. A., 63.
Thomas, W. H., 66.
Thomas, W. R., 13.
Thompson, A. R., 4, 20.
Thompson, A. S., 25.
Thompson, B. L., 64.
Thompson, C. A., 46.
Thompson, C. D., 25.
Thompson, E., 51.
Thompson, F., 16.
Thompson, F. F., 47.
Thompson, G. A., 32.
Thompson, G. W., 32.
Thompson, H. B., 62.
Thompson, H. C., 40.
Thompson, J. B., 4, 19.
Thompson, L., 46.
Thompson, L. B., 19.
Thompson, O. A., 54.
Thompson, R. C., 27, 28.
Thompson, R. E., 31.
Thompson, T. T., 67.
Thompson, W. O. (Ala.), 8.
Thompson, W. O. (Ohio), 5, 6, 55.
Thornber, J. J., 10.
Thornber, W. S., 72, 73.
Thorne, C. E., 56.
Thornton, E. W., 7.
Thornton, J. R., 30.
Thrasher, G. B., 48.
Thurtell, H., 45.
Thwaits, F. C., 75.
Tibert, G. L., 54.
Tidball, V. J., 76.
Tiebout, G., 30, 31.
Tiffany, H. E., 16.
Tilden, W., 25.
Tillery, R. G., 31.
Tillman, B. R., 62.
Tillman, J. N., 10.
Timblin, C., 72.
Tinkey, K., 27.
Tinsley, J. D., 48, 49.
Titlow, C. R., 56.
Titsworth, A. A., 47.
Titsworth, J., 55.
Titus, E. G., 68.
Tobin, H. H., 58.
Todd, C. C., 73.
Todd, P., 48.
Tompkins, D. A., 51.
Tompkins, D. G., 25.
Tompson, H. F., 35.
Toomer, J. E., 60, 61.
Tormey, J. L., 75, 76.
Totman, W. M., 75, 76.
Tottingham, W. E., 75, 76.
Tourgee, C. H., 11.
Tourtellot, I. A., 72.
Towar, J. D., 77.
Tower, G. E., 32.
Tower, M. L., 36.
Tower, W. V., 4, 61.
Townsend, H. L., 72.
Townsend, J. A., 72.
Townsend, M. E., 46.
Tracy, N., 24.
Trash, J. A., 18.
Treman, C. E., 49.
Treman, R. H., 49.
Trescot, K. B., 63.
Trewin, J. E., 24.
Trigg, E. P., 34.
Trigg, F., 34.
Trimble, R. E., 13, 14.
Trimble, W. J., 54.
Troeger, L. E., 25.
Troop, J., 23.
Trottman, J. F., 74.
Trout, E. D., 10.
Trowbridge, E. A., 41, 42.
Trowbridge, P. F., 41, 42.
Troy, H. C., 51.
True, A. C., 4, 5, 6, 9, 19, 20, 61.
True, G. H., 5, 45.
Trueblood, R. B., 23.
Trueman, J. M., 15.
Trumbull, R. S., 44, 45.
Truog, E., 75, 76.
Truscott, F. W., 74.
Tuck, C. H., 50.
Tucker, H. McK., 52.
Tucker, J. R., 11.
Tucker, R. L., 39.
Tudor, J. H., 60.
Tulane, V. H., 8.
Tull, C. C., 20.
Tullis, R. L., 30.
Tulloss, J. O., 26.
Tunnell, E. W., 16.
Tupes, H., 41.
Tupper, F., 69.
Turner, A. A., 9.
Turner, H. B., 71.
Turner, J. D., 29.
Turner, L. G., 65.
Turner, M. M., 34.
Turner, W. D., 51.
Turner, W. F., 7, 8.
Turpeau, L. A., 34.
Turpin, G. M., 68.
Turrell, C. A., 10.
Tuthill, J. E., 29.
Tuttle, F. E., 28.
Twiss, W. B., 47.
Twitchell, M. W., 72.
Tyler, M. H., 62.

Ueland, L. A., 53.
Ulio, J., 53.
Ulmann, K. A., 44.
Ulsamer, M., 72.
Umberger, H. J., 59.
Underwood, E. E., 29.
Upson, I. S., 47, 48.
Urquhart, J., 72.
Usher, S., 22.
Utt, C. A. A., 27.

Vail, C. E., 14.
Valley, O., 27.
Van Alstine, E., 22.
Vanatter, P. O., 18.
Van Auken, C. H., 51.
Vance, J. I., 47.
Van Cleef, M., 49.
Van Darthard, M., 9.
Van Deusen, M. C., 58.
Vandiver, M., 33.
Van Dyck, F. C., 47.
Van Es, L., 54.
Van Hise, C. R., 6, 75.
Van Hoose, L. A., 8.
Van Leenhoff, J. W., 4, 61.
Van Liew, M. S., 58.
Van Meter, A., 22.
Van Norman, H. E., 59, 60.
Van Rensselaer, M., 50.
Van Slyke, L. L., 49.
Van Steenburgh, W. H, 47.
Van Storm, A., 25.
Vanstory, C. M., 53.
Van Zile, M. P., 27.
Vaplon, W. E., 14.
Varnum, C. A., 32.
Vaughan, H. E., 72.
Vaughan, H. W., 55.
Vaughan, J. H., 48.
Vaughn, E. C., 29.
Vaulx, J. R., 25.
Vawter, C. E., 70.
Vedder, H. K., 36.
Vennum, V. C., 44.
Vernon, J. J., 17.
Vincent, C. C., 59.
Vinson, A. E., 10.
Vivian, A., 55.
Vivian, C. A., 9.
Volck, W. H., 12, 13.
Von Ende, C., 20.
Voorhees, E. B., 6, 47, 48.
Voorhees, F. M., 47.
Voorhees, J. F., 65.
Votey, J. W., 69.
Vought, S. W., 65.
Vredenburgh, W. H., 47.
Vroom, G. D. W., 47.
Vye, J. A., 38, 39.

Wabnitz, L., 27.
Wachter, H. M., 56.
Wade, C. I., 69, 70.
Waggener, R. L., 9.
Wagner, H., 24.
Wagner, J., 24.
Waggoner, E. W., 73.
Waid, E. D., 55.
Wainwright, T. L., 39.
Wait, C. E., 65.
Waite, R. H., 62.
Walcott, W. H., 9.
Walden, B. H., 14.
Waldo, C. H., 57.
Waldron, C. B., 53, 54.
Waldron, E. W., 10.
Waldron, J. W., 20.
Waldron, L. R., 54.
Waldron, M. M., 71.
Wale, J. H., 20.
Walker, A. T., 42.
Walker, E., 10, 11.
Walker, E. S., 17.
Walker, G. W., 70.
Walker, J. A., 7.
Walker, L. L., 28.
Walker, L. S., 35.
Walker, W. H., 59.
Walker, W. L., 68.
Wallace, J. S., 40.
Wallace, R. C. E., 56.
Wallace, W. H., 35.
Waller, C. H., 67.
Waller, O. L., 72, 73.
Walsh, J. H., 33.
Walster, H. L., 75, 76.
Walter, H. L., 73.
Walters, E. H., 68.
Walters, J. D., 26.
Wanamaker, O. D., 10.
Wannamaker, J. E., 62.
Warburg, P. M., 8.
Ward, A. R., 12.
Ward, C. E., 34.
Ward, H. B., 21.
Ward, J. B., 48.
Wardall, R. A., 55.
Warner, F., 27.
Warner, F. M., 35.
Warren, G. F., 50, 51.
Warren, G. M., 5.
Warren, J. W., 19.
Wartmann, E. L., 16, 17.
Washburn, F. L., 37, 38, 39.
Washburn, R. M., 69.
Washburn, W. F., 32.
Washington, A., 72.
Washington, B. T., 8, 9.
Washington, Mrs. B. T., 9.
Wason, E. H., 46.
Waterbury, I. R., 35.
Waterbury, L. A., 10.
Waters, H. J., 5, 26.
Wathen, R. N., 28.
Watkins, B. H., 23.
Watkins, F. B., 30.
Watkins, L. J., 9.
Watkins, O. S., 22.
Watson, E. J. (La.), 31.
Watson, E. J. (R. I.), 61.
Watson, I., 31.
Watson, J. P., 25.
Watson, J. V., 61.
Watters, C., 25.
Watts, R. J., 35.
Watts, R. L., 60.
Waugh, F. A., 34, 35.
Waugh, L., 60.
Weakley, C. E., jr., 74.
Weatherford, J. K., 57.
Webb, G. A., 13.

Webb, J. H., 14.
Webb, R. D., 7.
Webb, W. S. (Ky.), 29.
Webb, W. S. (Vt.), 68.
Webber, H. J., 50, 51.
Webber, W. P., 57.
Weber, H. A., 55.
Webster, E. H., 26, 28.
Webster, R. L., 26.
Webster, S. H., 62.
Weddell, F. J., 39.
Weeks, A. D., 54.
Weeks, E., 27.
Weeks, F. B., 14.
Wegner, E. E., 72.
Weifenbach, F., 76.
Weir, W. W. (U. S. D. A.), 5.
Weir, W. W. (Wis.), 76.
Welborn, W. C., 66.
Weldon, G. P., 14.
Wellington, C., 35.
Wellington, J. W., 69.
Wellington, R., 49.
Wells, A. A., 26.
Welsh, J. P., 59.
Welton, F. A., 56.
Weniger, W., 58.
Wentling, J. P., 38.
Wentworth, E. N., 25, 26.
Werber, E. I., 48, 49.
Wergeland, A. M., 77.
Werthmueller, F. R., 20.
Wessels, P. H., 62.
West, F. L., 68.
West, G. E., 49.
West, R. M., 38, 39.
Westgate, V. V., 44.
Westinghouse, H. H., 50.
Weston, C. P., 32.
Weyman, J., 9.
Wheeler, B. I., 11.
Wheeler, C. A., 15.
Wheeler, G. O., 27.
Wheeler, H. C., 22.
Wheeler, H. H., 9.
Wheeler, H. J., 6, 61, 62.
Wheeler, W., 34.
Wheeler, W. P., 49.
Wheeler, X., 65.
Whelan, J. B., 27.
Whetzel, H. H., 50, 51.
Whipper, I. R., 74.
Whipple, F. R., 74.
Whipple, L. F., 62.
Whipple, O. B., 43.
Whitaker, V., 41.
White, A. D., 49.
White, A. E., 27.
White, B., 72.
White, C. H., 35.
White, D. S., 55.
White, E., 56.
White, E. A. (Ill.), 21.
White, E. A. (Mass.) 35.
White, E. N., 55.
White, F., 76.
White, G. B., 63.
White, H. B., 38.
White, H. C., 6, 18.
White, H. L., 54.
White, H. V., 59.
White, J. G. (Ky.), 28.
White, J. G. (Pa.), 59.
White, J. M., 39.
White, J. W., 60, 61.
White, O., 64.
White, O. K., 36.
White, P. J., 50, 51.
White, S., 72.
White, T. H., 33.
White, W. J., 73.
Whitecotton, J. W. N., 67.
Whitehill, A. R., 73.
Whiteman, J. H., 15.
Whiting, A. L., 62.
Whitman, C. H., 47.
Whitmore, W. G., 43.
Whitney, E. M., 15.
Whitney, I. P., 72.
Whitridge, G. B., 38.
Whitsett, A. T., 53.
Whitson, A. R., 75, 76.
Whittemore, G. A., 60.
Whitten, J. C., 41, 42.
Whittier, A. C., 56.
Whoriskey, R., jr., 46.
Wiancko, A. T., 23.
Wiar, P., 57.
Wiatt, J. E., 7.
Wicks, W. H., 20, 21.
Wickson, E. J., 11, 12.
Widtsoe, J. A., 67.
Wignall, C. L., 66.
Wilborn, A. J., 8.
Wilbur, W. E., 32.
Wilcox, A. B., 66.
Wilcox, E. M. (Nebr.), 44.
Wilcox, E. M. (S. Dak.), 64.
Wilcox, E. V., 4, 20.
Wilcox, R. M., 48.
Wiley, H. W., 6.
Wiley, R. C., 27, 28.
Wilken, F. A., 37.
Wilkinson, J. A., 8.
Wilkinson, R. S., 63.
Willard, D. E., 54.
Willard, J. M., 59.
Willard, J. T., 6, 26, 28.
Willcox, W. G., 8.
Williams, C. B., 52.
Williams, C. G., 56.
Williams, E. H., 72.
Williams, E. L., 50.
Williams, F., 45.
Williams, H. E., 74.
Williams, J. E., 70.
Williams, L. F., 52.
Williams, M. B., 5.
Williams, P. F., 7, 8.
Williams, R. B., 49.
Williams, W. M., 58.
Williams, W. R., 53.
Williamson, C. S., jr., 7, 8.
Williamson, G. F., 36.
Williamson, L. H., 48.
Willis, C. (Kans.), 27.
Willis, C. (S. Dak.), 64.
Willson, A. E., 28.
Willson, C. A., 41, 42.
Wilmore, J. J., 7.
Wilson, A. D., 38, 39.
Wilson, A. H., 7.
Wilson, C. S., 50, 51.
Wilson, E., 46.
Wilson, E. E., 57.
Wilson, E. M., 19.
Wilson, F. D., 70.
Wilson, F. W., 10.
Wilson, H. S., 34.
Wilson, J., 24, 33.
Wilson, J. K., 49.
Wilson, J. W. (Ark.), 11.
Wilson, J. W. (S. Dak.), 64.
Wilson, L. B., 34.
Wilson, R. F., 56.
Wilson, R. H., 27, 28.
Wilson, S. M., 73.
Wilson, T., 37.
Wilson, T. B., 49, 50.
Wilson, V. E., 36.
Wilson, W. M. (Conn.), 15.
Wilson, W. M. (N. Y.), 51.
Wing, H. H., 50, 51.
Wingert, H. S., 56.
Winslow, E. B., 32.
Winslow, W. F., 31.
Winter, M. K., 43.
Winters, R. Y., 17.
Withers, W. A., 6, 52.
Withycombe, J., 58.
Withycombe, R., 59.
Woll, F. W., 6, 75, 76.
Wood, C. W., 9.
Woodard, C. S., 42.
Woodbury, C. G., 23.
Woodford, S. L., 49.
Woodman, F. W., 41, 42.
Woodman, L. E., 32.
Woodruff, O., 48.
Woodruff, W. B., 67.
Woods, A. F., 37, 38, 39.
Woods, C. D., 6, 32.
Woods, H. M., 32.
Woodward, C. H., 27.
Woodward, J. A., 59.
Woodward, S. M., 5.
Woodward, T. E., 68.
Woodworth, C. W., 12.
Woofter, T. J., 18.
Woosley, H. C., 29.
Wooten, O. B., 66.
Wooton, E. O., 48, 49.
Wooton, L. L., 11.
Working, D. W., 74.
Wornall, T. J., 41.
Worst, J. H., 53, 54.
Worth, P. S., 60.
Worthen, E. L., 53.
Worthington, E. F., 29.
Wright, A. L., 60.
Wright, J. O. (Fla.), 18.
Wright, J. O. (U. S. D. A.), 5.
Wright, L. L., 35.
Wright, R. G., 47.
Wright, R. J., 9.
Wright, R. R., 19.
Wright, T. R. H., 27, 28.
Wright, W. H., 75, 76.
Wright, W. J., 60, 61.
Wright, W. R., 57.
Wuebker, C. L., 36.
Wyckoff, W. F., 47.
Wyman, A. P., 22.
Wyse, B. A., 56.

Yarnell, D. L., 5.
Yates, C. E., 41.
Yates, H. E., 44.
Yates, J. S., 42.
Yates, J. W., 9.
Yates, R. E. L., 52.
Yeaw, F. L., 12.
Yoder, M. M., 19.
Yoder, P. A., 31.
Yoder, W. A., 53, 54.
Yonge, P. K., 16, 17.
Yorke, P. C., 11.
Yothers, M. A., 36, 37.
Young, G. S., 64.
Young, H. D., 11.
Young, J. M., 19.
Young, J. S. E., 52.
Young, N. B., 17.
Youngburg, G. E., 64.

Zackheim, I., 57.
Zeeuw, R. de, 36.
Zeininger, D., 27.
Zembrod, A. C., 29.
Ziefle, A., 54.
Zile, M. P. Van, 27.
Zimmer, M. V., 44.
Zimmerman, M., 25.
Zook, G. F., 60.